

82690

Delaval, Jan

From: Roark, Jessica
Sent: Wednesday, December 18, 2002 2:30 PM
To: Delaval, Jan
Subject: alignments

Jan,

Would you please align GenBank AB014553.1 (GI:3327119) with the following sequences from 09/728,420?

A pairwise alignment would be great between AB014553.1 and each of

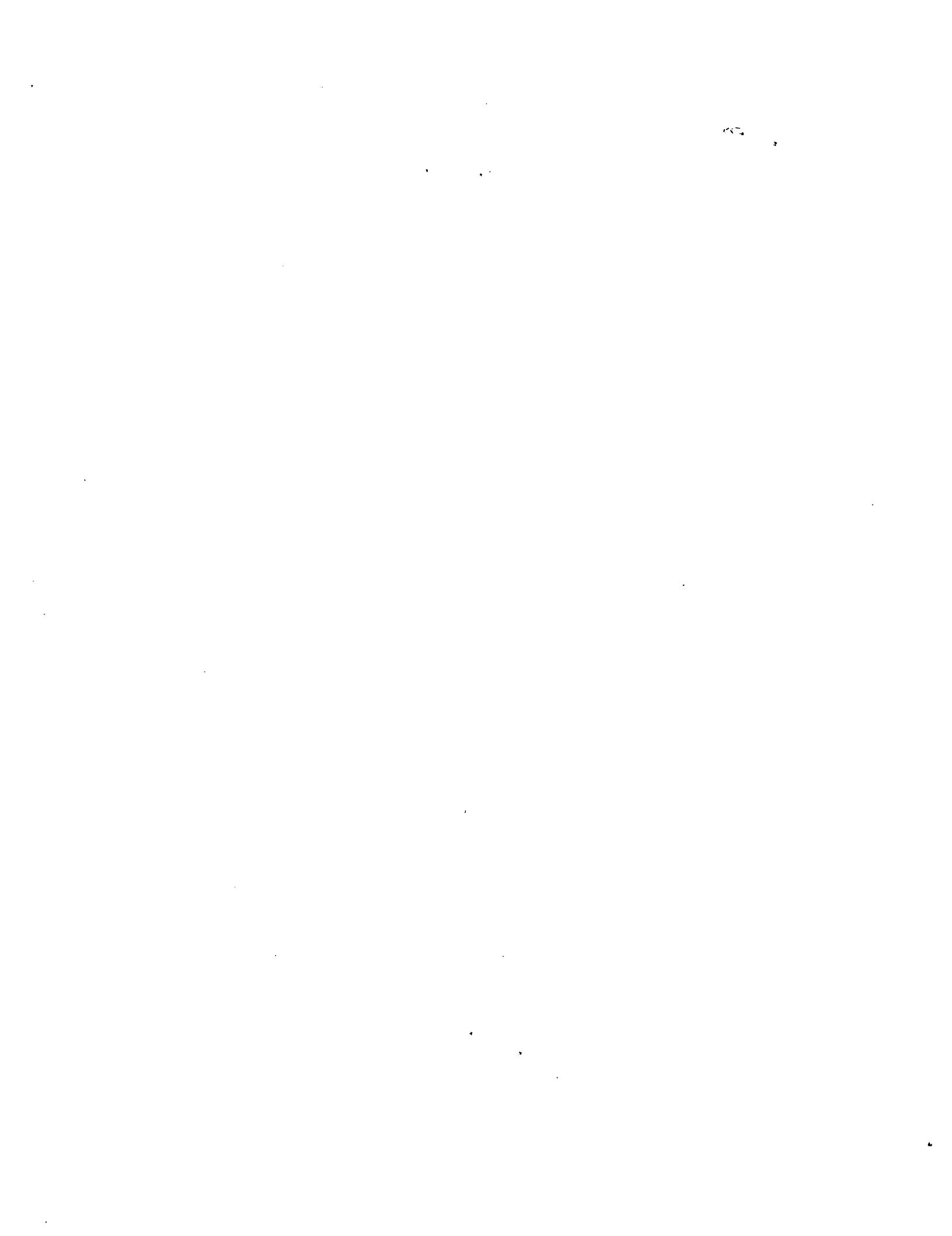
SEQ ID NO:6,
SEQ ID NO:11 and
SEQ ID NO:16.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov



82584

Delaval, Jan

From: Roark, Jessica
Sent: Wednesday, December 18, 2002 7:04 AM
To: Delaval, Jan
Subject: 09/728,420

Jan,

Please search (if you haven't already) only against the PGPub database the following from 09/728,420:

SEQ ID NO:7,
SEQ ID NO:12 and
SEQ ID NO:13.

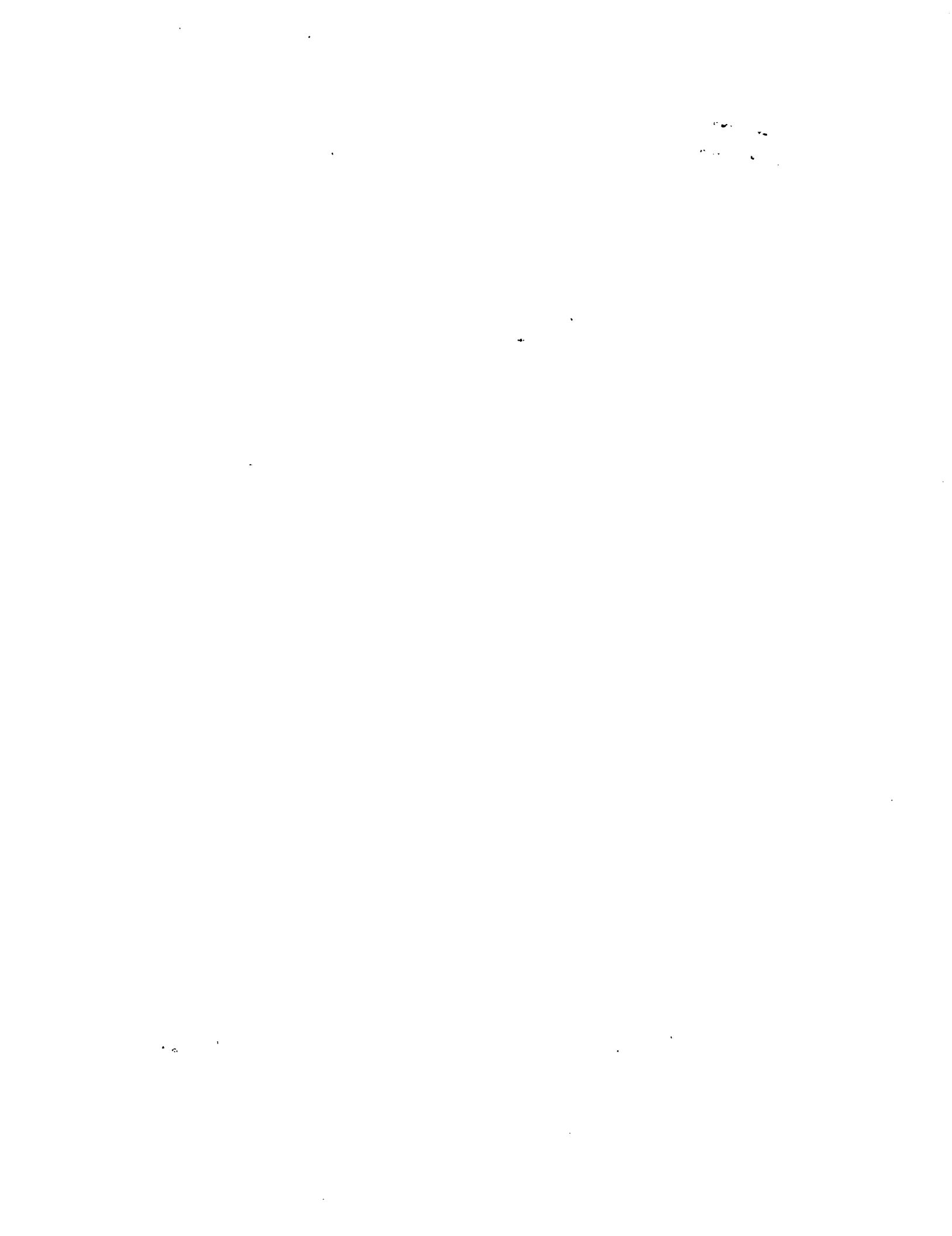
Results on paper please.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov



; Entered [jdelaval 18-Dec-02 16:38]

; Entered [jdelaval 18-Dec-02 16:40]
2006

: Entered [jide] awa] 18-Dec-02 16:41]



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consensus		tcacactgcgtggatttccaaacatgcacaagaagcagagacgagtgttagacccc	SBQ16	1099
SEQ06	967			
SEQ11	865			
SEQ16	1099			
AB014553	1301	gccccatgggtgtcccgagggtgggtccaggcaccagggtgtccagggtccaggcaccggggccca	consensus	aggagcacatagatgtggattctgtcaatttggaaaatgtccacacacggtcaccc
consensus		gccccatgggtgtcccgagggtgggtccaggcaccagggtgtccagggtccaggcaccggggccca	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			
AB014553	1362	gccccatgggtgtcccgagggtgggtccaggcaccaggcggccagcccggtgggtgtccaa	consensus	acctggagggtgcctgtggcagggcgctgggttcgaggcaggccagccagggtcc
consensus		gccccatgggtgtcccgagggtgggtccaggcaccaggcggccagcccggtgggtgtccaa	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			
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consensus		gggcgggtccaggcaccggccaggccagcccggtgggtgtccaggcgggtccaggcaccg	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			
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consensus		gcgcggcaggccatgggtgtccggagggtgggtccaggcaccggccaggccaggccatgtgggtgg	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			
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consensus		gtgtccagggggggtccaggcaccggccaggccatgtgggtgtccaggcaccggccaggccatgtgggtcc	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			
AB014553	1606	ggcacccggccaggatctatctgtggcaggcaactctgcagatctcggtttgcctcgttcc	consensus	AB014553 1972 aggaacacagttgttaaaacacggccggcttcccggttgcggaggcaggtcgaatgtttcc
consensus		ggcacccggccaggatctatctgtggcaggcaactctgcagatctcggtttgcctcgttcc	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			
AB014553	1606	ggcacccggccaggatctatctgtggcaggcaactctgcagatctcggtttgcctcgttcc	consensus	AB014553 2033 tgaacaggccgtttccaaagtttaaacctgtgtttccaccaagtcgtgtttcc
consensus		ggcacccggccaggatctatctgtggcaggcaactctgcagatctcggtttgcctcgttcc	SEQ6	967
SEQ06	967		SBQ11	865
SEQ11	865		SBQ16	1099
SEQ16	1099			

SEQ6	967	consensus	gcacctggccctgaccacgccccggcacctggcatgttgttccggaaatcagctgt
SBQ11	865		
SEQ16	1244		
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consensus		aaggctgtgcaggccgtgtttggctcaaggggctgggggtcttggtctgtcgcga	
SEQ6	967		
SBQ11	865		
SEQ16	1244		
AB014553	2948	gaaagacacacagccagcaggctggagacggccatgtccagcaggcgaggctggcaaca	
consensus		gaaagacacacagccagcaggctggagacggccatgtccagcaggcgaggctggcaaca	
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SEQ11	865		
SEQ16	1244		
AB014553	3009	cgttcccaaggctggagcaggatcacctgtggccaca	
consensus		cgttcccaaggctggagcaggatcacctgtggccaca	
SEQ6	967		
SBQ11	865		
SEQ16	1244		
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consensus		gtcccccttttcacccctcggaaatgtcccaaaatgtggatcccgccggccacc	
SEQ6	967		
SBQ11	865		
SEQ16	1244		
AB014553	3131	accctcagcggccacccactcaaccctgggtcccaagggtctgtggatggactcc	
consensus		accctcagcggccacccactcaaccctgggtcccaagggtctgtggatggactcc	
SEQ6	967		
SBQ11	865		
SEQ16	1244		
AB014553	3192	gaccctcaggccgggtctccggaggccacactggggctgtgggggtaca	
consensus		gaccctcaggccgggtctccggaggccacactggggctgtgggggtaca	
SEQ6	967		
SBQ11	865		
SEQ16	1244		
AB014553	3192	aaggctgtgcaggccgtgtttggctcaaggggctgggggtcttggtctgtcgcga	
consensus		aaggctgtgcaggccgtgtttggctcaaggggctgggggtcttggtctgtcgcga	
SEQ6	967		
SBQ11	865		
SEQ16	1244		
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consensus		gccttggccctgaccacggccggcacatgtgttccggaaatcagctgt	
SEQ6	967		
SBQ11	865		
SEQ16	1244		



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> O <
O | O Intelligentech
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FastDB - Fast Pairwise Comparison of Sequences
Release 5.4

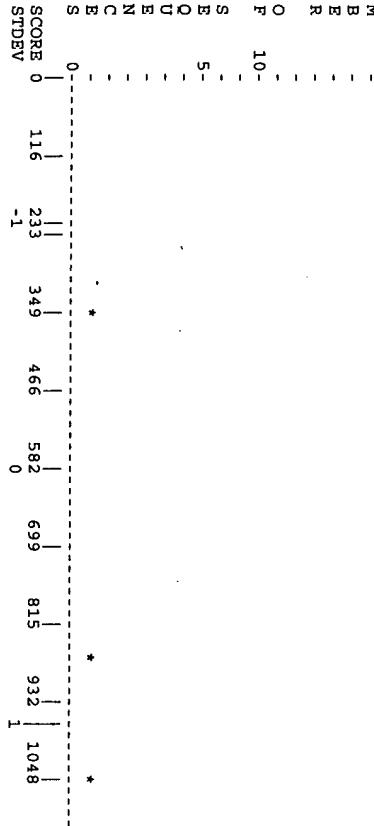
Results file ab014553-a.res made by jdelaaval on Wed 18 Dec 102 16:35:51-PST.

Query sequence being compared: ab014553 (1-4358)
Number of sequences searched: 3
Number of scores above cutoff:

File : roark-09-728420.seq

10-

N 50-
M -
B -
R -
O 10-
F -
S -
E 5-
Q -
U -
E -
N -
C -
B -



PARAMETERS

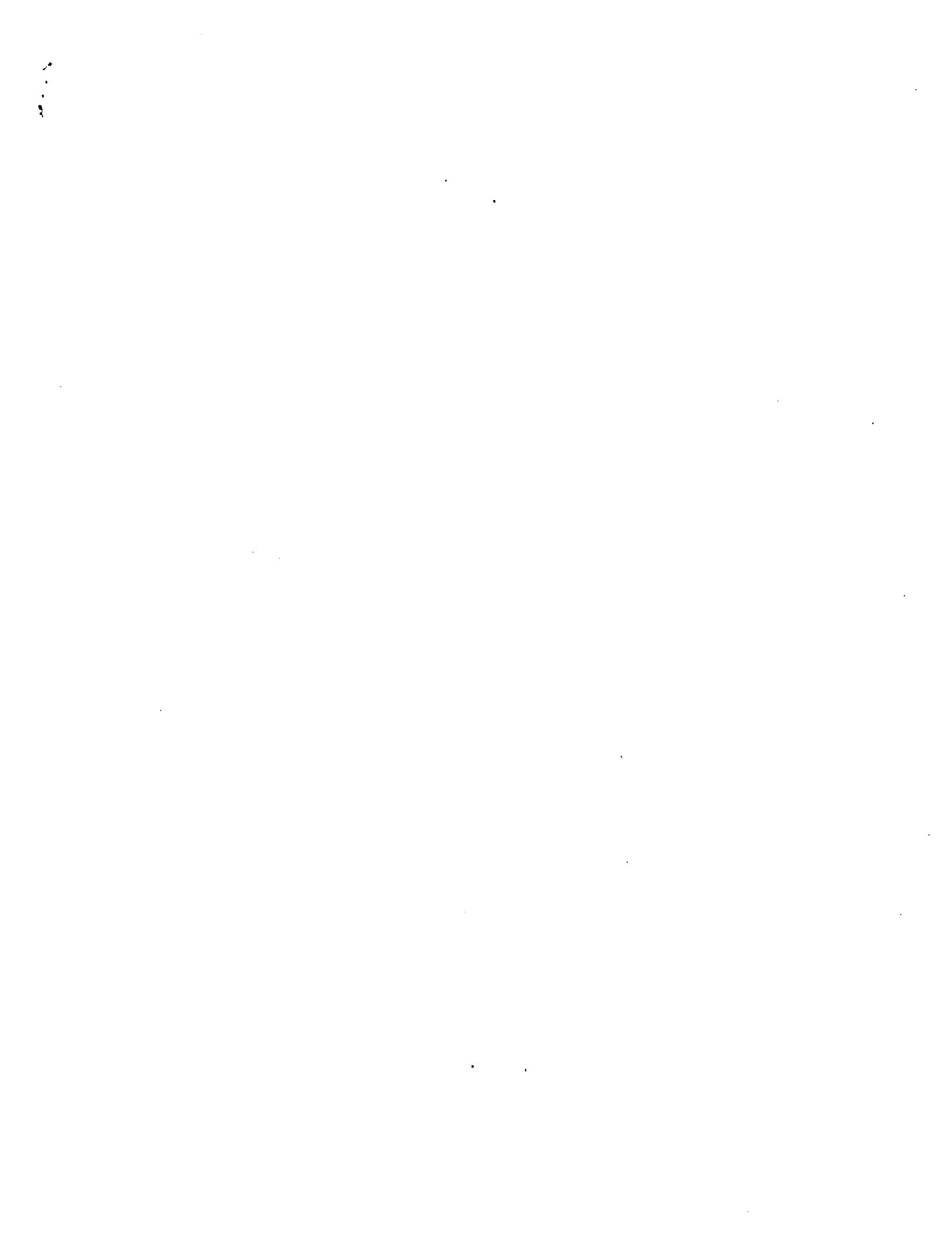
Similarity matrix Unitary
Mismatch Penalty 1
Gap penalty 1.00
Gap size penalty 0.33
Cutoff score 0
Randomization group

Sequence Name	Description	Length	Init. Opt. Score	Score	Sig.	Frame
Sequence 16	Sequence 16, Application US-09-728-420C-1	1294	1048	1113	0.81	0
Sequence 11	Sequence 11, Application US-09-728-420C-1	864	864	0.31	0	***
Sequence 6	Sequence 6, Application US-09-728-420C-6	966	347	584	-1.12	0
1. ab014553 (1-4358)	US-09-728-420C-1 Sequence 16, Application US/09728420C					
Sequence 16, Application US/09728420C						
GENERAL INFORMATION:						
APPLICANT: Yoshinaga, Steven K.						
APPLICANT: Mak, Tak Wah						
APPLICANT: Shahinian, Arda						
APPLICANT: Trafuri Bladt, Anna						
APPLICANT: Senaldi, Giorgio						
TITLE OF INVENTION: Novel Polypeptides Involved in Immune Response						
FILE REFERENCE: 6843-0050-02						
CURRENT APPLICATION NUMBER: US/09/728,420C						
PRIOR APPLICATION NUMBER: PCT/US00/01871						
PRIOR FILING DATE: 2000-01-27						
PRIOR APPLICATION NUMBER: US 09/264,527						
PRIOR FILING DATE: 1999-03-08						
PRIOR APPLICATION NUMBER: US 09/244,448						
PRIOR FILING DATE: 1999-02-03						
NUMBER OF SEQ ID NOS: 39						
SOFTWARE: Patentin version 3.1						
SEQ ID NO 16						
LENGTH: 1294						
TYPE: DNA						
FEATURE:						
NAME/KEY: 5'UTR						
LOCATION: (1)..(199)						
OTHER INFORMATION:						
FEATURE:						
NAME/KEY: CDS						
LOCATION: (200)..(1105)						
OTHER INFORMATION:						
Initial Score = 1048	Optimized Score = 1113	Significance = 0.81				
Residue Identity = 90%	Matches = 32	Conservative Substitutions = 30	Mismatches = 60			
Gaps = 0						
Cutoff score = 0						
Randomization group = G						
SEARCH STATISTICS						
Score:	Mean	Median	Standard Deviation			
	3753	348	363.44			
Times:	CPU	Total Elapsed				
	00:00:00.00	00:00:00.00				
Number of residues:	3124					
Number of sequences searched:	3					
Number of scores above cutoff:	3					
The scores below are sorted by initial score.						
Significance is calculated based on initial score.						
A 100% identical sequence to the query sequence was not found.						
The list of best scores is:						
220	-230	240	250	260	270	280

2. ab014553 (14-4358)
US-09-728-420C-1 Sequence 11, Application US/09728420C
Sequence 11, APPLICATION US/09728420C
GENERAL INFORMATION:
APPLICANT: Yoshinaga, Steven K.
APPLICANT: Mak, Tak Wah
APPLICANT: Shahrian, Arda
APPLICANT: Trafuri Blatt, Anna
APPLICANT: Senaldi, Giorgio
TITLE OF INVENTION: Novel Polypeptides Involved in Immuno-
FILE REFERENCE: 6843 0050-02
CURRENT APPLICATION NUMBER: US/09728,420C
CURRENT FILING DATE: 2000-11-28

Sequence 11, Application US/09728420C
GENERAL INFORMATION:
APPLICANT: Yoshinaga, Steven K.
APPLICANT: Mak, Tak Wah
APPLICANT: Shahniaan, Arda
APPLICANT: Trajuri Bladt, Anna
APPLICANT: Sennaldi, Giorgio
TITLE OF INVENTION: Novel Polypeptide
FILE REFERENCE: 6843-0050-02
CURRENT APPLICATION NUMBER: US/09/728420C
CURRENT FILING DATE: 2000-11-28

gacGCCAGCCCCCTGCTGGAGCCGGTCGGGCCAGCTCTCTCTGCGAGCCACCTCT
1650 1660 1670 1680 1690 1700 1710
GCAGCTCTCGTTGCCCTCAGTCCAGGACACATAGATGCTGAAATTGGAAAATGTC
1720 1730 1740 1750 1760 1770 1780
CACACAGGTACCCACCTGGCAGGGCTGCTGCAAGGGGCGCTGGCTTGCAGCGAGCCACCG
1790 1800 1810 1820 1830 1840 1850
GCTCCCGCCATGGGCCAGGAATCCCCTCGAGCCCTGTRCCCGCCAGGAAGGGGTTCCCGGGACAG
1860 1870 1880 1890 1900 1910 1920
TGGCTTGGGGTGTGGCAAGCCTGGCTCACCTGGTGACCCAGCGAGCTGATGGCGACCG
1930 1940 1950 1960 1970 1980 1990 2000
AGAACGCACTCCAGGCCAGGTGGCCATCCAGATGATGAGCAGAACACACGGCC
2010 2020
GCCTGTTCCGGAGCCAGTGA



GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: December 18, 2002, 07:06:12 ; Search time 51.7697 Seconds
(without alignments)

Sequence: 1 MQLKCPFCVSLGTRQPWKK.....RPHRSYTGPKTVQLELTDA 322
104.267 Million cell updates/sec

Title: US-09-728-420C-7

Perfect score: 1637

Sequence: 1 MQLKCPFCVSLGTRQPWKK.....RPHRSYTGPKTVQLELTDA 322

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 106657 seqs, 16763532 residues

Total number of hits satisfying chosen parameters: 106657

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AAs.*

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13: /cgn2_6/ptodata/1/pubbaa/US60_NEW_PUB.pep:*

14: /cgn2_6/ptodata/1/pubbaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

NUMBER OF SEQ ID NOS: 32
CURRENT FILING DATE: 2001-07-20
PRIORITY FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO: 29
LENGTH: 322
TYPE: PRT
ORGANISM: Mus musculus

SUMMARIES

RESULT 1
US-09-910-174A-29

; Sequence 29, Application US/09910174A

; Patent No. US20020106730A1
; GENERAL INFORMATION:

; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen

; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7

; FILE REFERENCE: 35800/23624
; CURRENT APPLICATION NUMBER: US/09910174A

; PRIORITY FILING DATE: 2001-07-20
; PRIORITY FILING NUMBER: US 09/620,461

; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FASTSEQ for Windows Version 4.0

; SEQ ID NO: 29
; LENGTH: 322
; TYPE: PRT
; ORGANISM: Mus musculus

US-09-910-174A-29

Query Match 100.0%; Score 1687; DB 10; Length 322;

Best Local Similarity 100.0%; Pred. No. 6.7e-117; Matches 322; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 29, Appli
Sequence 136, Appli
Sequence 812, Appli
Sequence 13, Appli
Sequence 7, Appli
Sequence 18, Appli
Sequence 630, Appli
Sequence 810, Appli
Sequence 7, Appli
Sequence 11, Appli
Sequence 135, Appli
Sequence 137, Appli
Sequence 14, Appli
Sequence 137, Appli
Sequence 137, Appli
Sequence 11, Appli
Sequence 8, Appli
Sequence 54, Appli
Sequence 1, Appli

Db 1 MQLKCPFCVSLGTRQPWKK.....RPHRSYTGPKTVQLELTDA 60
Db 1 MQLKCPFCVSLGTRQPWKK.....RPHRSYTGPKTVQLELTDA 60
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Qy 61 SCIDPHRRHNLSSGLVYVWQIENPESVTVYLPIKSPGIVNWDSSYKRGHLSIDSMQGN 120
Db 61 SCIDPHRRHNLSSGLVYVWQIENPESVTVYLPIKSPGIVNWDSSYKRGHLSIDSMQGN 120
Qy 121 FSLVYKAVNPQDQTBCTCVRVNPATATELYKLEEVVRVRAAMFSTPVISTEDDSNPGQE 180
Db 121 FSLVYKAVNPQDQTBCTCVRVNPATATELYKLEEVVRVRAAMFSTPVISTEDDSNPGQE 180
Qy 181 RTYTCMNSKNGYPENLYWINTNTSISLIDALQNTVYVNLKGLYDVLISTRRLPWTSGDV 240
Db 181 RTYTCMNSKNGYPENLYWINTNTSISLIDALQNTVYVNLKGLYDVLISTRRLPWTSGDV 240

RESULT 2

US-09-789-561-136

Sequence 136, Application US/09789561

Patent No. US20020064818A1

GENERAL INFORMATION:

APPLICANT: Ni et al.

TITLE OF INVENTION: 52 Human secreted proteins

FILE REFERENCE: P2043P1

CURRENT APPLICATION NUMBER: US/09/789, 561

CURRENT FILING DATE: 2001-02-22

PRIOR APPLICATION NUMBER: PCT/US00/24008

PRIOR FILING DATE: 2000-08-31

PRIOR APPLICATION NUMBER: 60/152,317

PRIOR FILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: 60/152,315

PRIOR FILING DATE: 1999-09-03

NUMBER OF SEQ ID NOS: 194

SOFTWARE: PatentIn Ver. 2.0

LENGTH: 302

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: SITE

LOCATION: (128)

OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-789-561-136

Query Match 35.6%; Score 600.5; DB 10; Length 302;

Best Local Similarity 46.2%; Pred. No. 3.2e-37;

Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;

Query 92 LPYKSPGIVNDSSYKNGRGLSLDSMKGNFNSLYLKNVTPDQTQETCRYFMNTATELVKI 151

Db 7 GLFLLSSLQASAAETEVGAMVGSNVLSIDPDRHFNISGLVYVWQIENPEVSVTYY 91

Query 32 GLFLLSSLQASAAETEVGAMVGSNVLSIDPDRHFNISGLVYVWQIENPEVSVTYY 91

Db 49 GLFLLSSLRADTQEKEVRAVGSVDVLSACPGSSRFINDVYVWQTSSEKTVVTH 108

Query 92 LPYKSPGIVNDSSYKNGRGLSLDSMKGNFNSLYLKNVTPDQTQETCRYFMNTATELVKI 151

Db 109 IPONSSLNVDSSYKNGRGLSLDSMKGNFNSLYLKNVTPDQTQETCRYFMNTATELVKI 151

Query 152 LEEVVLRLRAANESTPVISTSDDSNPQQ-ERTYTCMSKNGYPEPNLYWINTTDSNLSLDTA 210

Db 168 LSXEVTLHVAANFSVPPVSSAPHS-PSQDTELFTCTCSINGPRPVYWWINKTDNSLQDA 225

Query 211 LQNTVYLNKLGLYDVISTRLPWTSGDVLCVENVVALHNNTISQAESFTGNN--- 266

Db 226 LQNDTVFLNMRLGLYDVISVLRVARTSVNCCIEVLQNLTVGSQ---TGNDIGER 281

Query 267 ---TKNPOETHNNEL---KVLVPLVLAIAAFVSPFLIYRTRPHRSYTGPKTV-QLEL 318

Db 282 DKTENPVSTGEKNAATWSILAVLCLLIVVVAIGVNCRDRCLQH-SYAGAWAVSPTEL 340

RESULT 4

US-09-896-738-13

Sequence 13, Application US/09896738

Patent No. US20020165347A1

GENERAL INFORMATION:

APPLICANT: Fox, Michael

APPLICANT: Sullivan, John K.

APPLICANT: Fang, Mei

TITLE OF INVENTION: B7-Like Molecules and Uses Thereof

FILE REFERENCE: 00-513-A

CURRENT FILING DATE: 2001-06-29

PRIOR APPLICATION NUMBER: US/09/896, 738

PRIOR FILING DATE: 2000-06-30

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO: 13

LENGTH: 302

TYPE: PRT

ORGANISM: Homo sapiens

US-09-896-738-13

Query Match 35.5%; Score 599.5; DB 9; Length 302;

Best Local Similarity 46.2%; Pred. No. 3.8e-37;

Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;

Query 32 GLFLLSSLQASAAETEVGAMVGSNVLSIDPDRHFNISGLVYVWQIENPEVSVTYY 91

Db 7 GLFLFLFSSLRADTOKEVRAVMSDVELSCACPEGSRFDNDVYVWQTSESKTVVYH 66
 Qy 92 LPYKSPGINVDSSYKRGHLSLSDMKQNSFLYKVNTPQDQEFTRVFMNTATELVKI 151
 Db 67 IPQNSLLENDTSRVNRAIMSPAGMLRGDFSLRFLNVTQDEOKFHCLV-LSQSLGQEV 125
 Qy 152 LEEVYRLVAAANFSTPVISDSSNPGO-ERTYOMSKNGYPERPLWINTTNSLDTA 210
 Db 126 LSVEVTLVHVAANFSVPPVVSAPHS--PSQDELTFTCTSINGYPRPNWINKIDSLDQA 183
 Qy 211 LQNTVYLNKLGYDVTISTRPLPMSRGVLCCVENTVALHONTSISQAESTGNN--- 266
 Db 184 LQNTVYLNKLGYDVTISTRPLPMSRGVLCCVENTVALHONTSISQAESTGNN--- 266
 Qy 267 ---TKPQETHNEL--KULVPLAVLAAAFSFIIYRTRPHRSYTGKTV--QEL 318
 Db 240 DKITENPVSTGEKNAATWSILAVICLVLVAVAGWVCRDCLQH-SYAGAWAVSPTEL 298
 Qy 319 TDH 321
 Db 99 TGH 301

RESULT 5

US-09-955-866-7
 ; Sequence 7, Application US/09955866
 ; Patent No. US20020107363A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fox, Michael
 ; APPLICANT: Sullivan, John K.
 ; APPLICANT: Hoist, Paige
 ; APPLICANT: Yoshinaga, Steven Kiyoshi
 ; TITLE OF INVENTION: B7-Like Polypeptides and Uses Thereof
 ; FILE REFERENCE: 00-759-A
 ; CURRENT APPLICATION NUMBER: US 09/955,866
 ; CURRENT FILING DATE: 2001-09-19
 ; PRIOR APPLICATION NUMBER: 60/233,867
 ; PRIOR FILING DATE: 2000-09-20
 ; NUMBER OF SEQ ID NOS: 30
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-955-866-7

Query Match 35.5%; Score 598.5; DB 9; Length 302;
 Local Similarity 46.2%; Pred. No. 4.5e-37;
 Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;
 Best Local Similarity 46.2%; Pred. No. 4.5e-37;
 Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;

Db 7 GLFLFLFSSLRADTOKEVRAVMSDVELSCACPEGSRFDNDVYVWQTSESKTVVYH 66
 Qy 32 GLFLFLLSSCAASAEETEVGAMVGSNVVSCIDPHRRHFLNLGLYVQIENPEVSYY 91
 Db 67 IPQNSLLENDTSRVNRAIMSPAGMLRGDFSLRFLNVTQDEOKFHCLV-LSQSLGQEV 125
 Qy 152 LEEVYRLVAAANFSTPVISDSSNPGO-ERTYOMSKNGYPERPLWINTTNSLDTA 210
 Db 126 LSVEVTLVHVAANFSVPPVVSAPHS--PSQDELTFTCTSINGYPRPNWINKIDSLDQA 183
 Qy 211 LQNTVYLNKLGYDVTISTRPLPMSRGVLCCVENTVALHONTSISQAESTGNN--- 266
 Db 184 LQNTVYLNKLGYDVTISTRPLPMSRGVLCCVENTVALHONTSISQAESTGNN--- 266
 Qy 267 ---TKPQETHNEL--KULVPLAVLAAAFSFIIYRTRPHRSYTGKTV--QEL 318
 Db 240 DKITENPVSTGEKNAATWSILAVICLVLVAVAGWVCRDCLQH-SYAGAWAVSPTEL 298
 Qy 319 TDH 321
 Db 99 TGH 301

RESULT 6

US-09-915-789A-18
 ; Sequence 18, Application US/09915789A
 ; Patent No. US20020168762A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chen, Lieping
 ; TITLE OF INVENTION: MOLECULES
 ; FILE REFERENCE: 07039-219001
 ; CURRENT APPLICATION NUMBER: US 09/915,789A
 ; CURRENT FILING DATE: 2002-06-04
 ; PRIOR APPLICATION NUMBER: US 60/220,991
 ; PRIOR FILING DATE: 2000-07-27
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 18
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-915-789A-18

Query Match 35.5%; Score 598.5; DB 9; Length 302;
 Local Similarity 46.2%; Pred. No. 4.5e-37;
 Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;
 Best Local Similarity 46.2%; Pred. No. 4.5e-37;
 Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8;

Db 7 GLFLFLFSSLRADTOKEVRAVMSDVELSCACPEGSRFDNDVYVWQTSESKTVVYH 66
 Qy 92 LPYKSPGINVDSSYKRGHLSLSDMKQNSFLYKVNTPQDQEFTRVFMNTATELVKI 151
 Db 67 IPQNSLLENDTSRVNRAIMSPAGMLRGDFSLRFLNVTQDEOKFHCLV-LSQSLGQEV 125
 Qy 152 LEEVYRLVAAANFSTPVISDSSNPGO-ERTYOMSKNGYPERPLWINTTNSLDTA 210
 Db 126 LSVEVTLVHVAANFSVPPVVSAPHS--PSQDELTFTCTSINGYPRPNWINKIDSLDQA 183
 Qy 211 LQNTVYLNKLGYDVTISTRPLPMSRGVLCCVENTVALHONTSISQAESTGNN--- 266
 Db 184 LQNTVYLNKLGYDVTISTRPLPMSRGVLCCVENTVALHONTSISQAESTGNN--- 266
 Qy 267 ---TKPQETHNEL--KULVPLAVLAAAFSFIIYRTRPHRSYTGKTV--QEL 318
 Db 240 DKITENPVSTGEKNAATWSILAVICLVLVAVAGWVCRDCLQH-SYAGAWAVSPTEL 298
 Qy 319 TDH 321
 Db 99 TGH 301

RESULT 7

US-09-764-853-330
 ; Sequence 630, Application US/09764853
 ; Patent No. US20020090672A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PZ06
 ; CURRENT APPLICATION NUMBER: US 09/764,853
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR APPLICATION NUMBER: US 09/764,853
 ; PRIOR FILING DATE: 2000-09-07
 ; NUMBER OF SEQ ID NOS: 939
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 330
 ; LENGTH: 343
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-764-853-330

Query Match 35.5%; Score 598.5; DB 10; Length 343;

Best Local Similarity 46.2%; Pred. No. 5.2e-37; Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8; Db 342 TGH 344

RESULT 9
 US-09-910-174A-7
 Sequence 7, Application US/09910174A
 Patent No. US20020106730A1
 GENERAL INFORMATION:
 APPLICANT: Coye, Anthony J.
 APPLICANT: Fraser, Christopher C.
 APPLICANT: Manning, Stephen
 TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7
 FILE REFERENCE: 35800/236924
 CURRENT APPLICATION NUMBER: US/09/910,174A
 CURRENT FILING DATE: 2001-07-20
 PRIOR APPLICATION NUMBER: US 09/620,461
 PRIOR FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 32
 SOFTWARE: Fast-SEQ for Windows Version 4.0
 SEQ ID NO: 7
 LENGTH: 309
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-910-174A-7

Query Match 35.2%; Score 594.5; DB 10; Length 309;
 Best Local Similarity 46.0%; Pred. No. 9e-37;
 Matches 139; Conservative 41; Mismatches 101; Indels 21; Gaps 8;

Qy 32 GFLFLLSSLCASAATTEVGAMGSNVVLSIDPFRRFENSLGGLVYQIENPEVSTVYY 91
 Db 48 GFLFLLSSLCADTQEVRAVMGSVVELSACPGSRFDLNDVYIWTSESKTVVYH 107

Qy 92 IPIYKSPGIVNDSSYKNGRHLSDSMKGQFSLYKNTVPTDQETCRVFMNTATELYKI 151
 Db 108 IPIQNSLLENVSRYRNLMSPAGMLRGDSRLFVNTPDQEKFHCLV-LSQSLGFOEV 166

Qy 152 LEEVVLRLVAANFSTPVISTSDDSNPQ - ETTYTCMSKNGYPEPNLYWINTDNLIDTA 210
 Db 167 LSIEVTLHVAANFSPVVSAPHS - PSQDLSLFTCTTSINGYPRNVWINKTDSLLDQA 224

Qy 211 LQNNTYVLNLKGLYDVTSLRLPWTSGRFDVLCVENVNALHQNTISQAESFTNN --- 266
 Db 225 LQNDTFLNMRGLYDVTSLRLPWTSGRFDVLCVENVNALQNLTVGSQ ---TGNDIGER 280

Qy 267 ---TKNQEQETHNEL---KVLVPLVLAIAAAFSFIYRTRPHRSYTGPKTV--QLEL 318
 Db 281 DKITENPVSTGEKNAATWSIILAVLCLLWVVAIAIGWVCRDRCLQH-SYAGAWAVSPTEL 339

Qy 319 TDH 321
 Db 340 TGH 342

RESULT 8
 US-09-764-853-810
 Sequence 810, Application US/09764853
 Patent No. US20020090672A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 FILE REFERENCE: P0206
 CURRENT APPLICATION NUMBER: US/09/764,853
 CURRENT FILING DATE: 2001-01-17
 Prior application data removed - consult PALM or file wrapper
 NUMBER OF SEQ ID NOS: 939
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 910
 LENGTH: 345
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-764-853-810

Query Match 35.5%; Score 598.5; DB 10; Length 345;
 Best Local Similarity 46.2%; Pred. No. 5.2e-37;
 Matches 140; Conservative 40; Mismatches 102; Indels 21; Gaps 8; Qy 32 GFLFLLSSLCASAATTEVGAMGSNVVLSIDPFRRFENSLGGLVYQIENPEVSTVYY 91
 Db 50 GFLFLLSSLCADTQEVRAVMGSVVELSACPGSRFDLNDVYIWTSESKTVVYH 109

Qy 92 IPIYKSPGIVNDSSYKNGRHLSDSMKGQFSLYKNTVPTDQETCRVFMNTATELYKI 151
 Db 110 IPIQNSLLENVSRYRNLMSPAGMLRGDSRLFVNTPDQEKFHCLV-LSQSLGFOEV 168

Qy 152 LEEVVLRLVAANFSTPVISTSDDSNPQ - ETTYTCMSKNGYPEPNLYWINTDNLIDTA 210
 Db 169 LSIEVTLHVAANFSPVVSAPHS - PSQDLSLFTCTTSINGYPRNVWINKTDSLLDQA 226

Qy 211 LQNNTYVLNLKGLYDVTSLRLPWTSGRFDVLCVENVNALHQNTISQAESFTNN --- 266
 Db 227 LQNDTFLNMRGLYDVTSLRLPWTSGRFDVLCVENVNALQNLTVGSQ ---TGNDIGER 282

Qy 267 ---TKNQEQETHNEL---KVLVPLVLAIAAAFSFIYRTRPHRSYTGPKTV--QLEL 318
 Db 283 DKITENPVSTGEKNAATWSIILAVLCLLWVVAIAIGWVCRDRCLQH-SYAGAWAVSPTEL 341

Qy 319 TDH 321

; ORGANISM: Homo sapiens
; US-09-915-789A-11

Query Match 32.6%; Score 550.5; DB 9; Length 241;

Best Local Similarity 50.6%; Pred. No. 1-1e-33; Matches 122; Conservative 32; Mismatches 72; Indels 15; Gaps 5;

QY 41 LCMASAEATEVGAMGVGSNTVLSCLDPHRRHFNLSGLTYWQLENPEVSVTTLPYKSPGIN 100

Db 1 LRADTQEKEVRANVGSDVLSACACPEGSRFDLNDVYQISEKTVVYHLPONSLEN 60

QY 101 VSSSYKIRGHLISLDMSMKGNSFLYKNTPODQETCRVFNATATELKLEEVRRRV 160

Db 61 VDSRVRNRLMSLSPAGMRRGDFSLRFLNVTPOBOKFCLV-1SQSLGFOEVLSEITLHV 119

QY 161 AANFSTPVISTSDSSNPGQ-ERTYTCMSKNGPEPNWINTDNLIDALTQNNVYLN 219

Db 120 AANFSPVPUVSPHS- -PSQDELLFTCTCSINGPRPNYTWINKTDNSLIDQALQNDFVFLN 177

QY 220 KLGLYDVTISTRLRLPWTSGDVLCCVENVALHONITSISSQAESFTGNN-----TNPQE 272

Db 8 MRLGLYDWWVSLVLRARTPSVNWIGCIEENVLLQONLTVGSO---TGNDIGERDKITENPV 233

QY 273 T 273

Db 234 T 234

RESULT 11

US-09-789-561-135 Application US/09789561

Patent No. US2002006481BA1

GENERAL INFORMATION:

APPLICANT: Ni et al.

TITLE OF INVENTION: 52 Human secreted proteins

FILE REFERENCE: P2043P1

CURRENT APPLICATION NUMBER: US/09/789, 561

CURRENT FILING DATE: 2001-02-22

PRIOR APPLICATION NUMBER: PCT/US0/24008

PRIOR FILING DATE: 2000-08-31

PRIOR APPLICATION NUMBER: 60/152, 317

PRIOR FILING DATE: 1999-09-03

PRIOR APPLICATION NUMBER: 60/152, 315

PRIOR FILING DATE: 1999-09-03

NUMBER OF SEQ ID NOS: 194

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO: 135

LENGTH: 316

; PRT

; NISM: Homo sapiens

US-09-789-561-135

Query Match 14.8%; Score 249; DB 10; Length 316;
Best Local Similarity 31.0%; Pred. No. 2 1e-11; Mismatches 87; Conservative 42; Indels 30; Gaps 8;

Matches 87; Conservative 42; Mismatches 122; Indels 30; Gaps 8;

QY 21 LHVSSGFSGIG-LFLLLSSLCASAETEVGAMGVGSNNVLSCLDPHRRHFNLSGIVW 79

Db 12 VRVG---AALGALWFLGTVLGEVQEDPVALVNGIDATLCCSFSPEPGRFLAQNLIN 67

QY 80 QLENPESSVTVLPIYKSPGINSVDDSSKRGHLISLDMSMKGNSFLYKNTPODQETCR- 138

Db 68 QLTDTKQLVHSP---AEGQDGSAVNRNLTALFDLQGMSLQRQVRVADEGSFCTP 123

QY 139 --RVFVNNTATELVKILEEVRLRVAANFSTSDSSN--PGQERTYTMNSKNGYPE 193

Db 124 VS1RDFSSAA-----VSLQVAPYKSPFSMILELPKNDLRPGDITVITCSSIQY 173

QY 194 PMLWINTTDSLIDTALQNNVYLNGLDVTISTRLPWTSGDVLCCVENVALHONI 253

Db 174 AEWFWQDGQGVPL-TGNTVTSQMANEBOGLFDVHSIRLWVUGANGTYSCLVRNPVLOQDA 231

QY 254 TSYQSQASFTGIGNTKNQETHANELKLVVPLVLAARAFV 294

Db 232 HS---SVITGQPMTPPBMWVYGLSVCLALLVALAFV 269

RESULT 12

US-09-789-295A-137

Sequence 137, Application US/09978295A

Patent No. US200215606A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Ellen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qiang

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: KJLJavin, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Sheldon, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tumas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William T.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

FILE REFERENCE: P263-OPC11

CURRENT APPLICATION NUMBER: US/09/978, 295A

CURRENT FILING DATE: 2001-10-15

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: 60/077632

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077641

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077649

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077791

PRIOR FILING DATE: 1998-03-12

PRIOR APPLICATION NUMBER: 60/078004

PRIOR FILING DATE: 1998-03-13

PRIOR APPLICATION NUMBER: 60/07886

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/07936

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/078910

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/078939

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/07924

PRIOR FILING DATE: 1998-03-25

QY 139 --RIVFMINATEVKELEFVRKRVANNSTPVISTSDSSN-- PGQERTYTMNSKXYPE 193
 Db 124 VSIROFGSAA-----VSLQVAPVPSKPSMTLEPNKDLRPGDTWTTCSXYPE 173
 QY 194 PNLYWINTNTDNLTDALQNTVYLNKGILYDVTISTRALPWSRGDYLICVENVAL--- 249
 Db 174 AEVWQDGCGVPL-TGNVITTSQMANEEOGLFDVHSVLRVKGANGTISCLVRNPVLIQDA 231
 QY 250 HONITISQAESEFTGNNTKPOETHNELKVLVPLVLAAMAFV 294
 Db 232 HXSVITTCQPMTF-----PPEALWVTVGLSVCILALVALVAFV 269

RESULT 13
 US-09-896-738-14
 Sequence 14, Application US/09896738
 Patent No. US20030163347A1
 GENERAL INFORMATION:
 APPLICANT: FOX, Michael
 APPLICANT: Sullivan, John K.
 INVENTOR: Fang, Mei
 FILE REFERENCE: 00-513-A
 CURRENT APPLICATION NUMBER: US/09896,738
 CURRENT FILING DATE: 2001-06-29
 PRIOR APPLICATION NUMBER: 60/215,645
 PRIOR FILING DATE: 2000-06-30
 NUMBER OF SEQ ID NOS: 23
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 14
 LENGTH: 316
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: UNSURE
 LOCATION: (233)
 OTHER INFORMATION: "Xaa" can be any naturally occurring amino acid

US-09-896-738-14

Query Match 14.6%; Score 247; DB 9; Length 316;
 Best Local Similarity 30.5%; Pred. No. 2,9e-11;
 Matches 87; Conservative 42; Mismatches 118; Indels 38; Gaps 9;

QY 21 LHVSSGGFFSGLG-LFLLILSSCAASABTEVGAMVGSNVLSICIDPRHRHFNLSGLVYVW 79
 Db 12 VHFG---AALGAIWFCTGALEWQVPPBDPVVALVGDATLCCSFSPBPGFSLAQMLIW 67

QY 80 QINPENPVSVVYVLPYKPSGINVUSSVYKRGHISLDMSKQGNSFLYIANTVQDTPETC- 138
 Db 8 QLDTQKOLVHFS---ABCQDGASAYAANRTALFPDILAQGNASIRLQRVRADEGSFTCF 123

QY 139 --RVFMINATEVKELEFVRKRVANNSTPVISTSDSSN-- PGQERTYTMNSKXYPE 193
 Db 124 VSIRDFGSA-----VSLQVAPVPSKPSMTLEPNKDLRPGDTWTTCSXYPE 173

QY 194 PNLYWINTNTDNLTDALQNTVYLNKGILYDVTISTRALPWSRGDYLICVENVAL--- 249
 Db 174 AEVWQDGCGVPL-TGNVITTSQMANEEOGLFDVHSVLRVKGANGTISCLVRNPVLIQDA 231
 QY 250 HONITISQAESEFTGNNTKPOETHNELKVLVPLVLAAMAFV 294
 Db 232 HXSVITTCQPMTF-----PPEALWVTVGLSVCILALVALVAFV 269

RESULT 14
 US-09-978-697-137 Application US/09978697
 Patent No. US2002016284A1
 GENERAL INFORMATION:
 APPLICANT: Asbrenazi, Avi
 APPLICANT: Baker, Kevin P.
 APPLICANT: Bostein, David
 APPLICANT: DeNoers, Luc

```

; PRIOR APPLICATION NUMBER: 60/079923
; PRIOR FILING DATE: 1998-03-30
; PRIOR APPLICATION NUMBER: 60/080105
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080107
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080165
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080194
; PRIOR FILING DATE: 1998-03-31
; PRIOR APPLICATION NUMBER: 60/080327
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080328
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080333
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080334
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081070
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081071
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081203
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081229
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081817
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081952
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/082568
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082700
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082796
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: 60/083316
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083545
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083554
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083558
; PRIOR FILING DATE: 1998-04-29

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; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083500
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083742
; PRIOR FILING DATE: 1998-04-30
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084637
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084598
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084627
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084659
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084677
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085339
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085338
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085589
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085704
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085677

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```

Query Match 14.6%; Score 247; DB 9; Length 316;
Best Local Similarity 30.5%; Pred. No. 2.9e-11;
Matches 87; Conservative 42; Mismatches 118; Indels 38; Gaps 9;

```

```

QY 21 LHVSSGGFFSGLG-LFLILLSSLCASAATTEGAMVOSNVVLUSCIDPHRHFNLSGLYYWV 79
Db 12 VHVG---AAGALWFCUTGALLEQVBDPVVALVGTDAUCCSFSPEPGFSLAQNLIW 67

```

```

QY 80 QIENPEVSYVILPYKSGINVDSSYKRNGLHSLDSMKGNFSLYLKVNTPQDTOEFTC- 138
Db 68 QLTDTKQVHSF ---AGQDGDSAYAARTAFLPDLLAQGNASLRQVRVADEGSFTCF 123

```

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QY 139 ---RVPNTATELVKILEEVPLRVAAANESTPVISTSDSSN- PGQERTYTCMSKNGYPE 193
Db 124 VSLRDEGAA-----VSLOQVAAQPSKESMTLEPKNOLRGPDTVTCSSYQYPE 173

```

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QY 194 PNLYWINTDNDLTDALQNNTVLYNKLGLYDVLSTLRLPWTSGDVLGCYENVAL--- 249
Db 174 AEVFWQDGQGVPL -TGWVTSQMANEGGLEFVHSVLRVVLGANGTYSTCLVRNPVULQQDA 231

```

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QY 250 HQNTSISQAESFTGNNTKNPOETHNNELKVLPVLAVALAAAFV 294
Db 232 HXSVTITGQPMTF-----PPEALWTVGTLSCVLIILVALVALAFV 269

```

RESULT 15

US-09-978-192A-137

Sequence 137, Application US/09978192A

PATENT NO. US2002017753A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan

APPLICANT: Ferrara, Napoleon

APPLICANT: Filvaroff, Eilen

APPLICANT: Fong, Sherman

APPLICANT: Gao, Wei-Qing

APPLICANT: Gezher, Hantepeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Hillan, Kenneth J.

APPLICANT: Kijaviv, Ivar J.

APPLICANT: Kuo, Sophia S.

APPLICANT: Nepler, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Shalton, David L.

APPLICANT: Stewart, Timothy A.

APPLICANT: Tunas, Daniel

APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William T.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acids Encoding the Same

FILE REFERENCE: P2630PIC9

CURRENT APPLICATION NUMBER: US/09/978,192A

CURRENT FILING DATE: 2001-10-15

PRIOR APPLICATION NUMBER: 09/918585

PRIOR FILING DATE: 2001-07-30

PRIOR APPLICATION NUMBER: 60/062250

PRIOR FILING DATE: 1997-10-17

PRIOR APPLICATION NUMBER: 60/064249

PRIOR FILING DATE: 1997-11-03

PRIOR APPLICATION NUMBER: 60/065311

PRIOR FILING DATE: 1997-11-13

PRIOR APPLICATION NUMBER: 60/066364

PRIOR FILING DATE: 1997-11-21

PRIOR APPLICATION NUMBER: 60/077450

PRIOR FILING DATE: 1998-03-10

PRIOR APPLICATION NUMBER: 60/077632

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077641

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077649

PRIOR FILING DATE: 1998-03-11

PRIOR APPLICATION NUMBER: 60/077791

PRIOR FILING DATE: 1998-03-12

PRIOR APPLICATION NUMBER: 60/078004

PRIOR FILING DATE: 1998-03-13

PRIOR APPLICATION NUMBER: 60/078886

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/078936

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Qy 80 QIENPEVSYVYLPIKSPGIVNDSSTYKRGHLSLDSMKQHNFSLYLNKNTPODQFTC- 138
Db 68 QLTDTKQLVHSF---AEGQDGSSAYANTRALDFPDLLAQNASRLQRVRVADEGSFTCF 123
Qy 139 --RVMNTATELVKILEEVRLRAANFSTPVISIDSSN-PGQERTTOMSNGYPE 193
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Search completed: December 18, 2002, 07:08:43
Job time : 52.7697 secs

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GenCore version 5.1.3

Run on: December 18, 2002, 07:06:12 ; Search time 46.3033 Seconds

Total number of hits satisfying chosen parameters: 104.267 Million cell updates/sec

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 106657 seqs, 16733532 residues

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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2: /cgn2_6/ptodata/1/pubpaa/PCTN_NEW_PUB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*

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5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*

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7: /cgn2_6/ptodata/1/pubpaa/PCTRS_PUBCOMB.pep:*

8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

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13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*

14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULTS

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1	1495	100.0	302	9	US-09-896-738-13
2	1495	100.0	302	10	US-09-915-866-7
3	1495	100.0	309	10	US-09-910-174-7
4	1494	99.9	302	9	US-09-915-789A-18
5	1494	99.9	343	10	US-09-764-853-630
6	1494	99.9	345	10	US-09-764-853-810
7	1490	99.7	302	10	US-09-795-561-136
8	1490	99.7	344	10	US-09-764-853-812
9	1248	83.5	241	9	US-09-115-789A-11
10	588.5	39.4	322	10	US-09-110-174A-29
11	294.5	19.7	316	9	US-09-915-789A-1
12	294.5	19.7	316	10	US-09-875-338-13
13	294.5	19.7	316	10	US-09-910-174A-24
14	293.5	19.6	316	10	US-09-875-338-11
15	292.5	19.6	316	9	US-09-115-789A-3
16	290.5	19.4	316	9	US-09-918-295A-137
17	290.5	19.4	316	9	US-09-896-738-14
18	290.5	19.4	316	9	US-09-697-337
19	290.5	19.4	316	9	US-09-918-192A-137

summaries

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RESULT 1
US-09-896-738-13
; Sequence 13, Application US/09896738
; Patent No. US20020165347A1
; GENERAL INFORMATION:
; APPLICANT: Fox, Michael
; APPLICANT: Sullivan, John K.
; APPLICANT: Fang, Mei
; TITLE OF INVENTION: B7-Like Molecules and Uses Thereof
; FILE REFERENCE: 00-51-A
; CURRENT APPLICATION NUMBER: US/09/896,738
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 60/215,645
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 13
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-896-738-13

Query Match 100 %; Score 1495; DB 9; Length 302;
Best Local Similarity 100.0%; Pred. No. 6.5e-18; Gaps 0;
Matches 288; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLGSGQFLFLFSIRADQEKERAMVGSQSDVLSACCPGSSRFLDNDVYVWQTSSEK 60
Db 1 MRLGSGQFLFLFSIRADQEKERAMVGSQSDVLSACCPGSSRFLDNDVYVWQTSSEK 60

QY 61 TWVYTHIPQNSLLENDSRVNRNRAAMSPASMLGRGFLSRLFNVTFQDEQFHCVLSQL 120
Db 61 TWVYTHIPQNSLLENDSRVNRNRAAMSPASMLGRGFLSRLFNVTFQDEQFHCVLSQL 120

QY 121 GFQEVLISVEVTHVANFSVPSVSAHPSQDLETFCTCISNGPRPRNTYWNKTDNSL 180
Db 121 GFQEVLISVEVTHVANFSVPSVSAHPSQDLETFCTCISNGPRPRNTYWNKTDNSL 180

QY 181 DOALQNDITVFLAMRGLYDWSVSLRARTPSVNGCICENVLQQLNTVGSQTMGIDERD 240
Db 181 DQALQNDITVFLAMRGLYDWSVSLRARTPSVNGCICENVLQQLNTVGSQTMGIDERD 240

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Query Match 100.0%; Score 1495; DB 10; Length 309;
 Best Local Similarity 100.0%; Pred. No. 6.7e-118;
 Matches 288; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Query 1 MRLGSPGILFLFSSLRADTOQEKEYRAMGSDVELSCACPGSRFDLNDIYVYVQTSSEK 60
 Db 1 MRLGSPGILFLFSSLRADTOQEKEYRAMGSDVELSCACPGSRFDLNDIYVYVQTSSEK 60

Qy 61 TVTYHIFQNSILENTDYSRYNRALMSPAGMLRGDSLRLENVTPODEKFHCLVLSQL 120
 Db 61 TVTYHIFQNSILENTDYSRYNRALMSPAGMLRGDSLRLENVTPODEKFHCLVLSQL 120

Qy 121 GFOEVLSEVTIHLVAAANSVPVSAHPSOAPLTSINGYPRPNYTWINKTDNSLL 180
 Db 121 GFOEVLSEVTIHLVAAANSVPVSAHPSOAPLTSINGYPRPNYTWINKTDNSLL 180

Qy 181 DQALQNDTFLNMRGLYDVSVSLRIARTPSYNGCCIEVNLQQLTGSQTGNDIGERD 240
 Db 181 DQALQNDTFLNMRGLYDVSVSLRIARTPSYNGCCIEVNLQQLTGSQTGNDIGERD 240

Qy 241 K1TENPVSTGEKNAATWSILAVLCLLVVAVAIQWYCRDCLQHSYAG 288
 Db 241 K1TENPVSTGEKNAATWSILAVLCLLVVAVAIQWYCRDCLQHSYAG 288

RESULT 4
 US-09-915-789A-18
 ; Sequence 18, Application US/09915789A
 ; GENERAL INFORMATION:
 ; PATENT NO. US2002010673A1
 ; APPLICANT: Chen, Lieping
 ; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATOR
 ; CURRENT APPLICATION NUMBER: US/09/915,789A
 ; CURRENT FILING DATE: 2002-06-04
 ; PRIORITY NUMBER: US 60/220,991
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSEQ For Windows Version 4.0
 ; SEQ ID NO: 18
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-915-789A-18

Query Match 99.9%; Score 1494; DB 9; Length 302;
 Best Local Similarity 99.7%; Pred. No. 7.9e-118; Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query 1 MRLGSPGILFLFSSLRADTOQEKEYRAMGSDVELSCACPGSRFDLNDIYVYVQTSSEK 60
 Db 1 MRLGSPGILFLFSSLRADTOQEKEYRAMGSDVELSCACPGSRFDLNDIYVYVQTSSEK 60

Qy 61 TVTYHIFQNSILENTDYSRYNRALMSPAGMLRGDSLRLENVTPODEKFHCLVLSQL 120
 Db 61 TVTYHIFQNSILENTDYSRYNRALMSPAGMLRGDSLRLENVTPODEKFHCLVLSQL 120

Qy 121 GFOEVLSEVTIHLVAAANSVPVSAHPSOAPLTSINGYPRPNYTWINKTDNSLL 180
 Db 121 GFOEVLSEVTIHLVAAANSVPVSAHPSOAPLTSINGYPRPNYTWINKTDNSLL 180

Qy 181 DQALQNDTFLNMRGLYDVSVSLRIARTPSYNGCCIEVNLQQLTGSQTGNDIGERD 240
 Db 181 DQALQNDTFLNMRGLYDVSVSLRIARTPSYNGCCIEVNLQQLTGSQTGNDIGERD 240

Qy 241 K1TENPVSTGEKNAATWSILAVLCLLVVAVAIQWYCRDCLQHSYAG 288
 Db 241 K1TENPVSTGEKNAATWSILAVLCLLVVAVAIQWYCRDCLQHSYAG 288

RESULT 3
 US-09-910-174A-7
 ; Sequence 7, Application US/09910174A
 ; PATENT NO. US2002010673A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Coyle, Anthony J.
 ; APPLICANT: Fraser, Christopher C.
 ; APPLICANT: Manning, Stephen
 ; TITLE OF INVENTION: B7-H2 Molecules, No. US2002010673A1 Members of the B7
 ; FILE REFERENCE: 35800/236924
 ; CURRENT APPLICATION NUMBER: US/09/910,174A
 ; CURRENT FILING DATE: 2001-07-20
 ; PRIORITY NUMBER: US 09/620,461
 ; PRIORITY FILING DATE: 2000-07-20
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: FastSEQ For Windows Version 4.0
 ; SEQ ID NO: 7
 ; LENGTH: 309
 ; TYPE: PRT

RESULT 5
 US-09-764-853-630
 ; Sequence 630, Application US/09764853
 ; Patent No. US20020090672A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PZ06
 ; CURRENT APPLICATION NUMBER: US/09/764,853
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 939
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 630
 ; LENGTH: 343
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens.
 ; US-09-764-853-630

Qy 1 MRIGSPGGLFLPLFLSSRLRADTQEKEVRAVNGSDVELSCACPEGSRFDSLNFNTPQDBQKFCICLVLSQL 60
 B Match 99.9%; Score 1494; DB 10; Length 343;
 B Local Similarity 99.7%; Pred. No. 9.2e-118; Matches 1; Mismatches 0; Indels 0; Gaps 0;
 B Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 42 MRLGSPGGLFLPLFLSSRLRADTQEKEVRAVNGSDVELSCACPEGSRFDSLNFNTPQDBQKFCICLVLSQL 101
 Qy 61 TVVTHIPIONSSLENDSYRNRAIMSPAGMLRGDFSLRLENTPQDBQKFCICLVLSQL 120
 Db 102 TVVTHIPIONSSLENDSYRNRAIMSPAGMLRGDFSLRLENTPQDBQKFCICLVLSQL 161
 Qy 121 GFQEVLSVETLHVAANISVPVTSAPHSQSDETITFTCTISNGYPRPVYWNKTDNSLL 180
 Db 162 GFQEVLSVETLHVAANISVPVTSAPHSQSDETITFTCTISNGYPRPVYWNKTDNSLL 221
 Qy 181 DQALQNDTVFLNMRGLYDVSVIRAPSNSVNGCCTENVLQQLNTVGSGQNDIGERD 240
 Db 222 DQALQNDTVFLNMRGLYDVSVIRAPSNSVNGCCTENVLQQLNTVGSGQNDIGERD 281
 Qy 241 KITENPVSTGKNAATWSLAVICLILVVAIAGWVCRDRCLQHSYAG 288
 Db 282 KITENPVSTGKNAATWSLAVICLILVVAIAGWVCRDRCLQHSYAG 329

RESULT 6
 US-09-764-853-810
 ; Sequence 810, Application US/09764853
 ; Patent No. US20020090672A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PZ05
 ; CURRENT APPLICATION NUMBER: US/09/764,853
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 939
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 810
 ; LENGTH: 345
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-764-853-810

Query Match 99.7%; Score 1490; DB 10; Length 302;
 Best Local Similarity 99.7%; Pred. No. 1.7e-117; Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 B Match 99.9%; Score 1494; DB 10; Length 343;
 B Local Similarity 99.7%; Pred. No. 9.3e-118; Matches 1; Mismatches 0; Indels 0; Gaps 0;
 B Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 MRLGSPGGLFLPLFLSSRLRADTQEKEVRAVNGSDVELSCACPEGSRFDSLNFNTPQDBQKFCICLVLSQL 60
 Qy 61 TVVTHIPIONSSLENDSYRNRAIMSPAGMLRGDFSLRLENTPQDBQKFCICLVLSQL 120
 Db 61 TVVTHIPIONSSLENDSYRNRAIMSPAGMLRGDFSLRLENTPQDBQKFCICLVLSQL 161
 Qy 121 GFQEVLSVETLHVAANISVPVTSAPHSQSDETITFTCTISNGYPRPVYWNKTDNSLL 180
 Db 121 GFQEVLSVETLHVAANISVPVTSAPHSQSDETITFTCTISNGYPRPVYWNKTDNSLL 221
 Qy 181 DQALQNDTVFLNMRGLYDVSVIRAPSNSVNGCCTENVLQQLNTVGSGQNDIGERD 240
 Db 181 DQALQNDTVFLNMRGLYDVSVIRAPSNSVNGCCTENVLQQLNTVGSGQNDIGERD 288
 Qy 241 KITENPVSTGKNAATWSLAVICLILVVAIAGWVCRDRCLQHSYAG 288
 Db 241 KITENPVSTGKNAATWSLAVICLILVVAIAGWVCRDRCLQHSYAG 331

RESULT 7
 US-09-789-561-136
 ; Sequence 136, Application US/09789561
 ; Patent No. US20020064818A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni et al.
 ; TITLE OF INVENTION: 52 Human secreted proteins
 ; FILE REFERENCE: PZ043P1
 ; CURRENT APPLICATION NUMBER: US/09/789,561
 ; PRIORITY APPLICATION NUMBER: PCT/US00/24008
 ; PRIORITY FILING DATE: 2000-08-31
 ; PRIOR APPLICATION NUMBER: 60/152,317
 ; PRIORITY FILING DATE: 1999-09-03
 ; PRIORITY FILING DATE: 1999-09-03
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 136
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE: SITE
 ; NAME/KEY: SITE
 ; LOCATION: (128)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; US-09-789-561-136

Query Match 99.7%; Score 1490; DB 10; Length 302;
 Best Local Similarity 99.7%; Pred. No. 1.7e-117; Matches 287; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 B Match 99.9%; Score 1494; DB 10; Length 343;
 B Local Similarity 99.7%; Pred. No. 9.3e-118; Matches 1; Mismatches 0; Indels 0; Gaps 0;
 B Matches 287; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 MRLGSPGGLFLPLFLSSRLRADTQEKEVRAVNGSDVELSCACPEGSRFDSLNFNTPQDBQKFCICLVLSQL 60
 Qy 61 TVVTHIPIONSSLENDSYRNRAIMSPAGMLRGDFSLRLENTPQDBQKFCICLVLSQL 120
 Db 61 TVVTHIPIONSSLENDSYRNRAIMSPAGMLRGDFSLRLENTPQDBQKFCICLVLSQL 161
 Qy 121 GFQEVLSVETLHVAANISVPVTSAPHSQSDETITFTCTISNGYPRPVYWNKTDNSLL 180
 Db 121 GFQEVLSVETLHVAANISVPVTSAPHSQSDETITFTCTISNGYPRPVYWNKTDNSLL 221
 Qy 181 DQALQNDTVFLNMRGLYDVSVIRAPSNSVNGCCTENVLQQLNTVGSGQNDIGERD 240
 Db 181 DQALQNDTVFLNMRGLYDVSVIRAPSNSVNGCCTENVLQQLNTVGSGQNDIGERD 288
 Qy 241 KITENPVSTGKNAATWSLAVICLILVVAIAGWVCRDRCLQHSYAG 288
 Db 241 KITENPVSTGKNAATWSLAVICLILVVAIAGWVCRDRCLQHSYAG 331

RESULT 8
 US-09-764-853-812
 ; Sequence 812, Application US/09764853
 ; Patent No. US20020090672A1

GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PU206
 ; CURRENT APPLICATION NUMBER: US/09/764,853
 ; CURRENT FILING DATE: 2001-01-17
 ; Prior application data removed - consult PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 939
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 812
 ; LENGTH: 344
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (170)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

Query Match 99.7%; Score 1490; DB 110; Length 344;
 Best Local Similarity 99.7%; Pred. No. 2e-117; Indels 0; Gaps 0;
 Matches 287; Conservative 0; Mismatches 1;

Qy 1 MRLGSPGILFLPFLSSILRADTQKEVRAMGVGSDVELSCAPGSRFLNDVYVNOTSESK 60
 Db 43 MRLGSPGILFLPFLSSILRADTQKEVRAMGVGSDVELSCAPGSRFLNDVYVWQTSSEK 102

Qy 61 TTVYTHIPONSSLENVSDRYNRAALMSPAGMLRGDFSLRLNVTPDEQKRFCLVLSQL 120
 Db 103 TTVYTHIPONSSLENVSDRYNRAALMSPAGMLRGDFSLRLNVTPDEQKRFCLVLSQL 162

Qy 121 GFOBVLSEVTLHVAANFSVPPVYSAHPSDPELTFCTSINGYPRPNVWINKTDNSLL 180
 Db 163 GFOBVLSEVTLHVAANFSVPPVYSAHPSDPELTFCTSINGYPRPNVWINKTDNSLL 222

Qy 181 DQALQNDTVEFLNMRGLYDVSYSVLRARTPSYNGCC1ENVLLQONLTVGSGTQNGDGERD 240
 Db 223 DQALQNDTVEFLNMRGLYDVSYSVLRARTPSYNGCC1ENVLLQONLTVGSGTQNGDGERD 282

Qy 241 KITENPVSTGEKNAATWSILAVLCLLYVVAIAVGWCRDLCQHSTAG 288
 Db 283 KITENPVSTGEKNAATWSILAVLCLLYVVAIAVGWCRDLCQHSTAG 330

RESULT 9
 US-09-915-789A-11
 ; Sequence 11; Application US/09915789A
 ; Patent No. US20020168762A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chen, Lieping
 ; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATOR
 ; FILE REFERENCE: 07039-219001
 ; CURRENT APPLICATION NUMBER: US/09/915,789A
 ; CURRENT FILING DATE: 2002-06-04
 ; PRIOR APPLICATION NUMBER: US 60/220,991
 ; PRIOR FILING DATE: 2000-07-27
 ; NUMBER OF SEQ ID NOS: 23
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 11
 ; LENGTH: 241
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-915-789A-11

Query Match 83.5%; Score 1248; DB 9; Length 241;
 Best Local Similarity 99.6%; Pred. No. 2.e-97; Indels 0; Gaps 0;
 Matches 240; Conservative 1; Mismatches 0;

Qy 16 LRADTQKEVRAMGVGSDVELSCAPGSRFLNDVYVWQTSSEKTVTHIPONSSLN 75
 Db 1 LRADTQKEVRAMGVGSDVELSCAPGSRFLNDVYVWQTSSEKTVTHIPONSSLN 60

Query Match 76 VDSYRNALMSPAGMLRGDFSLRLNVTPDEQKRFCLVLSQLSFGQEVLSEVTLHVA 135
 Db 61 VDSYRNALMSPAGMLRGDFSLRLNVTPDEQKRFCLVLSQLSFGQEVLSEVTLHVA 120

Qy 136 ANFSVPVYSAHPSDPELTFCTSINGYPRPNVWINKTDNSLLQALQNDTVEFLNMRG 195
 Db 121 ANFSVPVYSAHPSDPELTFCTSINGYPRPNVWINKTDNSLLQALQNDTVEFLNMRG 180

Qy 196 LYDVSYRVARIAARTPSYNGCC1ENVLLQONLTVGSGTQNGDGERDKitENPVSTGEKNA 255
 Db 181 LYDVSYRVARIAARTPSYNGCC1ENVLLQONLTVGSGTQNGDGERDKitENPVSTGEKNA 240

RESULT 10
 US-09-910-174A-29
 ; Sequence 29; Application US/09910174A
 ; Patent No. US2002016730A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Coyle, Anthony J.
 ; APPLICANT: Fraser, Christopher C.
 ; APPLICANT: Manning, Stephen
 ; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7
 ; FILE REFERENCE: 35800/236924
 ; CURRENT APPLICATION NUMBER: US/09/910,174A
 ; CURRENT FILING DATE: 2001-07-20
 ; PRIOR APPLICATION NUMBER: US 60/220,461
 ; PRIOR FILING DATE: 2000-07-20
 ; NUMBER OF SEQ ID NOS: 32
 ; SEQ ID NO: 29
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; LENGTH: 322
 ; TYPE: PRT
 ; ORGANISM: Mus musculus
 ; US-09-910-174A-29

Query Match 39.4%; Score 588.5; DB 10; Length 322;
 Best Local Similarity 46.6%; Pred. No. 4.4e-42;
 Matches 135; Conservative 39; Mismatches 97; Indels 19; Gaps 7;

Qy 7 GFLFLPSSIRADTQKEVRAMGVGSDVELSCAPGSRFLNDVYVWQTSSEKTVTHYH 66
 Db 32 GFLFLPSSILCAASAEETVGANSVNLSCIDPHRFHNLSGLYYYWQTEPEVSVTYY 91

Qy 67 IPONSSLENVSDRYNRAALMSPAGMLRGDFSLRLNVTPDEQKRFCLV-LQSLSQFQEY 125
 Db 92 LPYKSPG1GNVDSYKQGHLSLDSMKGNFSLYLVWYQDPTQBTFCRVFVNNTATEFLVKI 151

Qy 126 LSVEVTLHVAANFSVPPVYSAHPSDPELTFCTSINGYPRPNVWINKTDNSLLDQA 183
 Db 152 LEEVVRLLVAAANFSTP1STSDDSNPQQ-ERTYTCMSKNGYPEPNLYWINTDNLIDTA 210

Qy 184 LQNDTVEFLNMRGLYDVSYSVLRARTPSYNGCC1ENVLLQONLTVGSGQ---TGNDIGER 239
 Db 211 LQNTVYVNLGLYDVSYSVLRARTPSYNGCC1ENVLLQONLTVGSGQ---TGNDIGER 266

Qy 240 DKITENPVSTGEKNAATWSILAVLCLLYVVAIAVGWCRDLCQH-SYAG 288
 Db 267 ---TKNPQETHNELL---KVLPVTLAVIAAAAFVSIYRTRPHSYTG 310

RESULT 11
 US-09-915-789A-1
 ; Sequence 1; Application US/09915789A
 ; Patent No. US2002016762A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Chen, Lieping
 ; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATOR
 ; TITLE OF INVENTION: MOLECULES

FILE REFERENCE: 07039-219001
; CURRENT APPLICATION NUMBER: US/09/915, 789A
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: US 60/220,991
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 1
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-915-789A-1

Query Match 19.7%; Score 294.5; DB 9; Length 316;
Best Local Similarity 31.1%; Pred. No. 1.6e-17;
Matches 93; Conservative 40; Mismatches 11; Indels 55; Gaps 11; Gaps 11;

Qy 2 RLGSPG-----LFLFLSSLRADTQEKEYRAMGSVELSACPEGSRFIDLNDV 50
Db 4 RRGSPGMGVHVGAAALGALWFCLTGALEVQVPEPPVVALVGTDTLCCSFSPBPGFSQL 63
Qy 1 YVWQTSSEKSVVVTYHIFONSSIENVD--SRYRNRAALSPAGMLRGDFSLRFNVTPODE 108
Db 64 NLIWQLTDTKQLV---HSFAEQDQGSAYANRATLFPDLAOGNASLRQRRVADE 117
Qy 109 QKFHCLVLQSLSLGQEVISVEVTHVAAANFSVUVSAPHSQ---DELFITCTING 163
Db 118 GSFTCFVSRDFG---SAAVSLQVAAPIYSKP--SMTLEPNKDLRPGDTVITCSSYRG 170
Qy 164 YPRPNVW----INKTDSNLQDQALQNDTFLVLMRGLYDVSUVRARTPSVNIGCIE 218
Db 171 YPEAEVFWQWDQGQVPLTGNVTTSQ----MANEQQLFDVHSVLRVLGANGTYSCLVR 223
Qy 219 NVLIQQLNTVGSQTCNDIGERDKTENPVSTGERNAATWSILAVLCUUVVAVAGWNC 277
Db 224 NPVLQD-AHGSVT-----ITGQPMTFPPE--ALWVTVGLSCLVCLIALVALAFVC 270

RESULT 12
US 09-875-338-13
; Sequence 13, Application US/09875338
; Patent No. US20020095024A1

GENERAL INFORMATION:
; APPLICANT: MIKESELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LU, PIN
; APPLICANT: ZHOU, XIAO-DI
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; TITLE OF INVENTION: IMMUNOMODULATION
; FILE REFERENCE: 3055-4071US2
; CURRENT APPLICATION NUMBER: US/09/875, 338
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: 60/272, 107
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: 60/209, 811
; PRIOR FILING DATE: 2000-06-06
; NUMBER OF SEQ ID NOS: 94
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-13

Query Match 19.7%; Score 294.5; DB 10; Length 316;
Best Local Similarity 31.1%; Pred. No. 1.6e-17;
Matches 93; Conservative 40; Mismatches 11; Indels 55; Gaps 11; Gaps 11;

Qy 2 RLGSPG-----LFLFLSSLRADTQEKEYRAMGSVELSACPEGSRFIDLNDV 50
Db 4 RRGSPGMGVHVGAAALGALWFCLTGALEVQVPEPPVVALVGTDTLCCSFSPBPGFSQL 63
Qy 51 YVWQTSSEKSVVVTYHIFONSSIENVD--SRYRNRAALSPAGMLRGDFSLRFNVTPODE 108
Db 64 NLIWQLTDTKQLV---HSFAEQDQGSAYANRATLFPDLAOGNASLRQRRVADE 117
Qy 109 QKFHCLVLQSLSLGQEVISVEVTHVAAANFSVUVSAPHSQ---DELFITCTING 163
Db 118 GSFTCFVSRDFG---SAAVSLQVAAPIYSKP--SMTLEPNKDLRPGDTVITCSSYRG 170
Qy 164 YPRPNVW----INKTDSNLQDQALQNDTFLVLMRGLYDVSUVRARTPSVNIGCIE 218
Db 171 YPEAEVFWQWDQGQVPLTGNVTTSQ----MANEQQLFDVHSVLRVLGANGTYSCLVR 223
Qy 219 NVLIQQLNTVGSQTCNDIGERDKTENPVSTGERNAATWSILAVLCUUVVAVAGWNC 277
Db 224 NPVLQD-AHGSVT-----ITGQPMTFPPE--ALWVTVGLSCLVCLIALVALAFVC 270

RESULT 13
US-09-910-174A-24
; Sequence 24, Application US/09910174A
; Patent No. US20020106730A1

GENERAL INFORMATION:
; APPLICANT: Coyle, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1el Members of the B7
; FILE REFERENCE: 35800/236924
; CURRENT APPLICATION NUMBER: US/09/910; 174A
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 4
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-910-174A-24

Query Match 19.7%; Score 294.5; DB 10; Length 316;
Best Local Similarity 31.1%; Pred. No. 1.6e-17;
Matches 93; Conservative 40; Mismatches 11; Indels 55; Gaps 11; Gaps 11;

Qy 2 RLGSPG-----LFLFLSSLRADTQEKEYRAMGSVELSACPEGSRFIDLNDV 50
Db 4 RRGSPGMGVHVGAAALGALWFCLTGALEVQVPEPPVVALVGTDTLCCSFSPBPGFSQL 63
Qy 51 YVWQTSSEKSVVVTYHIFONSSIENVD--SRYRNRAALSPAGMLRGDFSLRFNVTPODE 108
Db 64 NLIWQLTDTKQLV---HSFAEQDQGSAYANRATLFPDLAOGNASLRQRRVADE 117
Qy 109 QKFHCLVLQSLSLGQEVISVEVTHVAAANFSVUVSAPHSQ---DELFITCTING 163
Db 118 GSFTCFVSRDFG---SAAVSLQVAAPIYSKP--SMTLEPNKDLRPGDTVITCSSYRG 170
Qy 164 YPRPNVW----INKTDSNLQDQALQNDTFLVLMRGLYDVSUVRARTPSVNIGCIE 218
Db 171 YPEAEVFWQWDQGQVPLTGNVTTSQ----MANEQQLFDVHSVLRVLGANGTYSCLVR 223
Qy 219 NVLIQQLNTVGSQTCNDIGERDKTENPVSTGERNAATWSILAVLCUUVVAVAGWNC 277
Db 224 NPVLQD-AHGSVT-----ITGQPMTFPPE--ALWVTVGLSCLVCLIALVALAFVC 270

RESULT 14
US-09-875-338-11
; Sequence 11, Application US/09875338
; Patent No. US20020095024A1

GENERAL INFORMATION:
; APPLICANT: MIKESELL, GLEN E.

; APPLICANT: CHANG, HAN
 ; APPLICANT: FINGER, JOSHUA N.
 ; APPLICANT: YANG, GUICHEN
 ; APPLICANT: LU, PIN
 ; APPLICANT: ZHOU, XIA-DI
 ; APPLICANT: PEACH, ROBERT
 ; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
 ; TITLE OF INVENTION: IMMUNOMODULATION
 ; FILE REFERENCE: 3053-4071US2
 ; CURRENT APPLICATION NUMBER: US/09/875,338
 ; CURRENT FILING DATE: 2001-06-06
 ; PRIOR APPLICATION NUMBER: 60/272,107
 ; PRIOR FILING DATE: 2000-02-28
 ; PRIOR APPLICATION NUMBER: 60/209,811
 ; PRIOR FILING DATE: 2000-06-16
 ; NUMBER OF SEQ ID NOS: 94
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 11
 ; LENGTH: 316
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-875-338-11

Query Match 19.6%; Score 293.5; DB 10; Length 316;

Best Local Similarity 31.1%; Pred. No. 2e-17;
 Matches 93; Conservative 40; Mismatches 111; Indels 55; Gaps 11;

Qy 2 RLGSPG-----LLFLFSSLRADTQEKEYRAMVGSDELSCAPEGSRFDLNDV 50
 Db 4 RRGSPGMGVH/GAALGALWFLCTGALEVQVBDPVALGSPAGMLRGDFSLRFNTPQDE 63
 Qy 51 YYWQTSBESKTVTYHIPQNSSLENVD- SRYRNALMSPAGMLRGDFSLRFNTPQDE 108
 Db 64 NLIWQLTDTKQLV-----HSFTEGRDQGSAYANNTALFLPQAGNASLQRVRVADE 117
 Qy 109 QKFHCLVLSQSLGQEVLSVETLHYAANFVPSVPSAPHSQ-----DELTFTCTSING 163
 Db 118 GSFTCFVSI RDGF-----SAAVSLQVAAVPSK-----SMTLEPNKDLRPGDTVTCSSYRG 170
 Qy 164 YPRPNYYW-----INKTDSNLLDQALQNDTVFLNMRGLYDVSRLIARTPSVNIGCCIE 218
 Db 171 YPAAEVWQDQGQVPLTGNVTSQ-----MANEGQLEVHSVRLVGLANGTYSCLVR 223
 Qy 219 NYLQONLTVGSGTQNDGIRDKITEPNVSTGEKNAATWSLAVLCLLIVVAVATGWYC 277
 Db 224 NPVLQQD-AHGSVT-----ITGQPMTFPPE--ALWVTVGLSVCLIAALLVALAFVC 270

RESULT 15

US-09-915-789A-3

; Sequence 3, Application US/0915789A

; Patent No. US2002018762A1

; GENERAL INFORMATION;

; APPLICANT: Chen, Lieping

; TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATOR

; TITLE OF INVENTION: MOLECULES

; FILE REFERENCE: 07039-219001

; CURRENT APPLICATION NUMBER: US/09/915,789A

; CURRENT FILING DATE: 2002-06-04

; PRIOR APPLICATION NUMBER: US 60/220,991

; PRIOR FILING DATE: 2000-07-27

; NUMBER OF SEQ ID NOS: 23

; SEQ ID NO 3

; SOFTWARE: FastSEQ for Windows Version 4.0

; LENGTH: 316

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-915-789A-3

Query Match 19.6%; Score 292.5; DB 9; Length 316;
 Best Local Similarity 31.1%; Pred. No. 2.4e-17;
 Matches 93; Conservative 39; Mismatches 112; Indels 55; Gaps 11;

Qy 2 RLGSPG-----LLFLFSSLRADTQEKEYRAMVGSDELSCAPEGSRFDLNDV 50
 Db 4 RRGSPGMGVH/GAALGALWFLCTGALEVQVBDPVALGSPAGMLRGDFSLRFNTPQDE 63
 Qy 51 YYWQTSBESKTVTYHIPQNSSLENVD- SRYRNALMSPAGMLRGDFSLRFNTPQDE 108
 Db 64 NLIWQLTDTKQLV-----HSFAEGDQGSAYANNTALFLPQAGNASLQRVRVADE 117
 Qy 109 QKFHCLVLSQSLGQEVLSVETLHYAANFVPSVPSAPHSQ-----DELTFTCTSING 163
 Db 118 GSFTCFVSI RDGF-----SAAVSLQVAAVPSK-----SMTLEPNKDLRPGDTVTCSSYRG 170
 Qy 164 YPRPNYYW-----INKTDSNLLDQALQNDTVFLNMRGLYDVSRLIARTPSVNIGCCIE 218
 Db 171 YPAAEVWQDQGQVPLTGNVTSQ-----MANEGQLEVHSVRLVGLANGTYSCLVR 223
 Qy 219 NYLQONLTVGSGTQNDGIRDKITEPNVSTGEKNAATWSLAVLCLLIVVAVATGWYC 277
 Db 224 NPVLQQD-AHGSVT-----ITGQPMTFPPE--ALWVTVGLSVCLIAALLVALAFVC 270

Search completed: December 18, 2002, 07:08:44
 Job time : 47.3033 secs

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Om protein - protein search, using sw model

Run on: December 18, 2002, 07:06:12 ; Search time 42.927 Seconds
(without alignments)
104.267 Million cell updates/sec

Title: US-09-728-420C-13

Perfect score: 1333

Sequence: 1 EKEVRAVNGSDVELSCACPE..... VAVAIGWVDRCLQHSYAG 267

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 106657 seqs, 16763532 residues

Total number of hits satisfying chosen parameters: 106657

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA,*

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7: /cgn2_6/podata/1/pubcaa/PICTUS_PUBCOMB.pep:*
8: /cgn2_6/podata/1/pubcaa/US08_PUBCOMB.pep:*
9: /cgn2_6/podata/1/pubcaa/US09_NEW_PUB.pep:*
10: /cgn2_6/podata/1/pubcaa/US09_PUBCOMB.pep:*
11: /cgn2_6/podata/1/pubcaa/US10_NEW_PUB.pep:*
12: /cgn2_6/podata/1/pubcaa/US10_PUBCOMB.pep:*
13: /cgn2_6/podata/1/pubcaa/US60_NEW_PUB.pep:*
14: /cgn2_6/podata/1/pubcaa/US60_PUBCOMB.pep:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 1
US-09-896-738-13
; Sequence 13, Application US/09896738
; Patent No. US20020165347A1
; GENERAL INFORMATION:
; APPLICANT: Fox, Michael
; APPLICANT: Sullivan, John K.
; APPLICANT: Fang, Wei
; TITLE OF INVENTION: Br⁺-Like Molecules and Uses Thereof
; FILE REFERENCE: 00-513-A
; CURRENT APPLICATION NUMBER: US/09/896,738
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 00-513-A
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 302
; TYPE: PRT
; ORGANISM: Homo sapiens

ALIGNMENTS

Query Match 100.0%; Score 1393; DB 9; Length 302;
Best Local Similarity 100.0%; pred. No. 1, 3e-112; Matches 267; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 13, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 18, Appli
Sequence 630, Appli
Sequence 810, Appli
Sequence 136, Appli
Sequence 812, Appli
Sequence 11, Appli
Sequence 29, Appli
Sequence 1, Appli
Sequence 13, Appli
Sequence 136, Appli
Sequence 24, Appli
Sequence 11, Appli
Sequence 156, Appli
Sequence 7, Appli
Sequence 3, Appli
Sequence 28, Appli
Sequence 137, Appli
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Sequence 19, Appli
Sequence 5, Appli
Sequence 21, Appli
Sequence 131, Appli
Sequence 3, Appli
Sequence 11, Appli

Query Match 100.0%; Score 1393; DB 9; Length 302;
Best Local Similarity 100.0%; pred. No. 1, 3e-112; Matches 267; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 13, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 18, Appli
Sequence 630, Appli
Sequence 810, Appli
Sequence 136, Appli
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Sequence 10, Appli
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Sequence 5, Appli
Sequence 21, Appli
Sequence 131, Appli
Sequence 3, Appli
Sequence 11, Appli

Query Match 100.0%; Score 1393; DB 9; Length 302;
Best Local Similarity 100.0%; pred. No. 1, 3e-112; Matches 267; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 13, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 18, Appli
Sequence 630, Appli
Sequence 810, Appli
Sequence 136, Appli
Sequence 812, Appli
Sequence 11, Appli
Sequence 29, Appli
Sequence 1, Appli
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Sequence 136, Appli
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Sequence 10, Appli
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Sequence 14, Appli
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Sequence 5, Appli
Sequence 21, Appli
Sequence 131, Appli
Sequence 3, Appli
Sequence 11, Appli

Query Match 100.0%; Score 1393; DB 9; Length 302;
Best Local Similarity 100.0%; pred. No. 1, 3e-112; Matches 267; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Sequence 13, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 18, Appli
Sequence 630, Appli
Sequence 810, Appli
Sequence 136, Appli
Sequence 812, Appli
Sequence 11, Appli
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Sequence 1, Appli
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Sequence 2, Appli
Sequence 10, Appli
Sequence 15, Appli
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Sequence 19, Appli
Sequence 5, Appli
Sequence 21, Appli
Sequence 131, Appli
Sequence 3, Appli
Sequence 11, Appli

RESULT 5
 US-09-764-853-630
 ; Sequence 630, Application US/09764853
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PZ206
 ; CURRENT APPLICATION NUMBER: US/09/764, 853
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR APPLICATION DATA REMOVED - CONSULT PALM OR FILE WRAPPER
 ; NUMBER OF SEQ ID NOS: 939
 ; SEQ ID NO 630
 ; LENGTH: 343
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-764-853-630

Query Match 99.9%; Score 1392; DB 10; Length 343;
 Best Local Similarity 99.6%; Pred. No. 1.9e-12;
 Matches 266; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKEVRAVAGSDVELSCACPEGSRFDLNDVYVWQTSKTTVYHPPQNSLLENDSRVR 60
 Db 63 EKEVRAVAGSDVELSCACPEGSRFDLNDVYVWQTSKTTVYHPPQNSLLENDSRVR 122
 QY 61 NRALMSPAGMLRQFLRFLNVTQDOKFCHLVLSSLGFOEVISVEVTLVAANFSVP 120
 Db 123 NRALMSPAGMLRQFLRFLNVTQDOKFCHLVLSSLGFOEVISVEVTLVAANFSVP 182
 QY 121 VVSAPHSPSQDELTFTCTTSINGYPRPNYWINKTNSLIDQALQNDTVFLNMRGLDV 180
 Db 183 VVSAPHSPSQDELTFTCTTSINGYPRPNYWINKTNSLIDQALQNDTVFLNMRGLDV 242
 QY 181 VLRARTPSVNIGCENVLQQLTVGSQTGNDIGERDKITENPVSTGEKNAATWSILA 240
 Db 245 VLRARTPSVNIGCENVLQQLTVGSQTGNDIGERDKITENPVSTGEKNAATWSILA 304
 QY 241 VLCLLWVVAIAVIGWCRDRCLOHSYAG 267
 Db 305 VLCLLWVVAIAVIGWCRDRCLOHSYAG 331

RESULT 7
 US-09-789-561-136
 ; Sequence 136, Application US/09789561
 ; Patent No. US20020064818A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ni et al.
 ; TITLE OF INVENTION: 52 Human secreted proteins
 ; FILE REFERENCE: PZ43P1
 ; CURRENT APPLICATION NUMBER: US/09/789, 561
 ; PRIOR APPLICATION NUMBER: PCT/US00/24008
 ; PRIOR FILING DATE: 2000-08-31
 ; PRIOR APPLICATION NUMBER: 60/152, 317
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/152, 315
 ; PRIOR FILING DATE: 1999-09-03
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 116
 ; LENGTH: 302
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: SITE
 ; LOCATION: (128)
 ; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
 ; US-09-789-561-136

Query Match 99.6%; Score 1388; DB 10; Length 302;
 Best Local Similarity 99.6%; Pred. No. 3.6e-12;
 Matches 265; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 EKEVRAVAGSDVELSCACPEGSRFDLNDVYVWQTSKTTVYHPPQNSLLENDSRVR 60
 Db 22 EKEVRAVAGSDVELSCACPEGSRFDLNDVYVWQTSKTTVYHPPQNSLLENDSRVR 81
 QY 61 NRALMSPAGMLRQFLRFLNVTQDOKFCHLVLSSLGFOEVISVEVTLVAANFSVP 120
 Db 82 NRALMSPAGMLRQFLRFLNVTQDOKFCHLVLSSLGFOEVISVEVTLVAANFSVP 141
 QY 121 VVSAPHSPSQDELTFTCTTSINGYPRPNYWINKTNSLIDQALQNDTVFLNMRGLDV 180
 Db 142 VVSAPHSPSQDELTFTCTTSINGYPRPNYWINKTNSLIDQALQNDTVFLNMRGLDV 201
 QY 181 VLRARTPSVNIGCENVLQQLTVGSQTGNDIGERDKITENPVSTGEKNAATWSILA 240
 Db 202 VLCLLWVVAIAVIGWCRDRCLOHSYAG 267
 QY 241 VLCLLWVVAIAVIGWCRDRCLOHSYAG 287
 Db 262 VLCLLWVVAIAVIGWCRDRCLOHSYAG 288

Query Match 99.9%; Score 1392; DB 10; Length 345;
 Best Local Similarity 99.6%; Pred. No. 1.9e-12;
 Matches 266; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 EKEVRAVAGSDVELSCACPEGSRFDLNDVYVWQTSKTTVYHPPQNSLLENDSRVR 60
 Db 65 EKEVRAVAGSDVELSCACPEGSRFDLNDVYVWQTSKTTVYHPPQNSLLENDSRVR 124
 QY 61 NRALMSPAGMLRQFLRFLNVTQDOKFCHLVLSSLGFOEVISVEVTLVAANFSVP 120

GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 FILE REFERENCE: PU206
 CURRENT APPLICATION NUMBER: US/09/764,853
 CURRENT FILING DATE: 2001-01-17
 Prior application data removed - consult PALM or file wrapper
 NUMBER OF SEQ ID NOS: 919
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO: 812
 LENGTH: 344
 TYPE: PRT
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: SITE
 LOCATION: (170)
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

Query Match 99.6%; Score 1388; DB 10; Length 344;
 Best Local Similarity 99.6%; Pred. No. 4; 3e-12; Indels 0; Gaps 0;
 Matches 266; Conservative 0; Mismatches 1;

Qy 1 EKEVRAMVGSDEVLSACPGESRFDLNDVYVWQTSESKTIVTVYHIPQNSSELENVDSRYR 60
 Db 64 EKEVRAMVGSDEVLSACPGESRFDLNDVYVWQTSESKTIVTVYHIPQNSSELENVDSRYR 123

Qy 61 NRALMSPAGMLRGDFSLRFLNVTQDQEKFHLVLSQSLGQEVLSEVETLHVAANFSVP 120
 Db 124 NRALMSPAGMLRGDFSLRFLNVTQDQEKFHLVLSQSLGQEVLSEVETLHVAANFSVP 183

Qy 121 VVSAPHSPSQDELTFTCTISINGYPRPVYWKNTDNLSSLDALQNDTVFLNMRGLYDVS 180
 Db 184 VVSAPHSPSQDELTFTCTISINGYPRPVYWKNTDNLSSLDALQNDTVFLNMRGLYDVS 243

Qy 181 VLRARTPSVNIIGCCIENVLQONLTGTSQTNPVGKRNATWSILA 240
 Db 244 VLRARTPSVNIIGCCIENVLQONLTGTSQTNPVGKRNATWSILA 303

Qy 241 VCLLIVVVAAGWVCDRCLQHSYAG 267
 Db 304 VCLLIVVVAAGWVCDRCLQHSYAG 330

RESULT 9
 US-09-915-789A-11
 Sequence 11; Application US/09915789A
 Patent No. US20020108762A1
 GENERAL INFORMATION:
 APPLICANT: Chen, Lieping
 TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
 FILE REFERENCE: 07039-219001
 CURRENT APPLICATION NUMBER: US/09/915,789A
 CURRENT FILING DATE: 2002-06-04
 PRIOR APPLICATION NUMBER: US 60/220,991
 NUMBER OF SEQ ID NOS: 23
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 11
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens

US-09-915-789A-11

Query Match 87.5%; Score 1219; DB 9; Length 241;
 Best Local Similarity 99.6%; Pred. No. 9; 1e-98; Indels 0; Gaps 0;
 Matches 234; Conservative 1; Mismatches 0;

Qy 1 EKEVRAMVGSDEVLSACPGESRFDLNDVYVWQTSESKTIVTVYHIPQNSSELENVDSRYR 60
 Db 7 EKEVRAMVGSDEVLSACPGESRFDLNDVYVWQTSESKTIVTVYHIPQNSSELENVDSRYR 66

RESULT 10
 US-09-910-174A-29
 Sequence 29; Application US/09910174A
 Patent No. US20020106730A1
 GENERAL INFORMATION:
 APPLICANT: Coyle, Anthony J.
 APPLICANT: Fraser, Christopher C.
 APPLICANT: Manning, Stephen
 TITLE OF INVENTION: B7-H2 Molecules, No. US20020106730A1 Members of the B7-H2 Family and Uses Thereof
 FILE REFERENCE: 35800/235924
 CURRENT APPLICATION NUMBER: US/09/910-174A
 PRIORITY FILING DATE: 2001-07-20
 PRIORITY FILING DATE: 2000-07-20
 NUMBER OF SEQ ID NOS: 32
 SOFTWARE: PasteSEQ for Windows Version 4.0
 SEQ ID NO: 29
 LENGTH: 322
 TYPE: PPT
 ORGANISM: Mus musculus

US-09-910-174A-29

Query Match 40.2%; Score 559.5; DB 10; Length 322;
 Best Local Similarity 46.2%; Pred. No. 6.3e-41; Indels 19; Gaps 7;
 Matches 127; Conservative 38; Mismatches 91;

Qy 1 EKEVRAMVGSDEVLSACPGESRFDLNDVYVWQTSESKTIVTVYHIPQNSSELENVDSRYR 60
 Db 47 ETEVGAMGSNVVLSCLDPHRHFNISGLYVTVQINPBEVSVTYLPYKSPGIVDSSYK 106

Qy 61 NRALMSPAGMLRGDFSLRFLNVTQDQEKFHLVLSQSLGQEVLSEVETLHVAANFSV 119
 Db 107 NRGLHSLSMKQNSFLYKNTVQDQEKFHLVLSQSLGQEVLSEVETLHVAANFSV 166

Qy 120 PVVSPASPHS - PSODELTFTCTISINGYPRPVYWKNTDNLSSLDALQNDTVFLNMRGLYD 177
 Db 167 PVVSPASPHS - PSODELTFTCTISINGYPRPVYWKNTDNLSSLDALQNDTVFLNMRGLYD 225

Qy 178 VVSVLARTPSVNIIGCCIENVLQONLTGTSQTNPVGKRNATWSILA 233
 Db 226 VISTRLPWTSRGSVLCVENVALHQNNTSISQAESFTGNN-----TKNQETHNNEL 278

Qy 234 ATWSILAVCLLIVVVAAGWVCDRCLQHSYAG 267
 Db 279 ---KVLVYPLVLAIAAFVSFLYRRTRPHRSYTG 310

RESULT 11
 US-09-915-789A-1
 Sequence 1; Application US/09915789A
 Patent No. US20020106762A1
 GENERAL INFORMATION:
 APPLICANT: Chen, Lieping
 TITLE OF INVENTION: B7-H3 AND B7-H4, NOVEL IMMUNOREGULATORY
 FILE REFERENCE: 07039-219001
 CURRENT APPLICATION NUMBER: US/09/915,789A
 CURRENT FILING DATE: 2002-06-04
 PRIOR APPLICATION NUMBER: US 60/220,991
 NUMBER OF SEQ ID NOS: 23
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 11
 LENGTH: 241
 TYPE: PRT
 ORGANISM: Homo sapiens

US-09-915-789A-11

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; PRIOR FILING DATE: 2000-07-27
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-915-789A-1

Query Match 19.5%; Score 271; DB 9; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 1
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-915-789A-1

Query Match 19.5%; Score 271; DB 9; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 1
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-915-789A-1

Qy 1 EKEVRANGSDVELSACPGSREFLNDVWVQTSKVVTHIPONSLEND-SR 58
Db 35 EDPVVALVGTATLCCSFSRPGFSLAQMLWQLTDKLV----HSAFGQDQSA 88
Qy 59 YRNRAALMSPAGMLRGRPSRLFLNVPQDEOKFCHLVLQSLSIGFQEVLSVETLVAANFS 118
Db 89 YANRTAALFPDLAQMSAHLRQVRVDAECSFTCVRIFG----SAAVSLQVAAPYS 143
Qy 144 KB--SMTLEPNKDLRPGDTWITCSCSYRGYPEAEVFWQDGQGVPLTGNTTSQ---- 194
Db 169 FLAMRGJYDVSVLRLARTSVNIGCCIEVNLQLNTVGSQTGNDIGERDKTENPVST 228
Db 195 MANEQGLFDVHSVLRVLGANGTYSCLVNRPVLOOD-AHGSVT-----ITQQPWTF 244
Qy 229 GEKNAATWSIIAVLCLVWVVAIGWC 256
Db 245 PPE--ALWVTVGLSVCLIAILVALAFVC 270

RESULT 12
; Sequence 13, Application US/09875338
; Patent No. US200201095024A1
; GENERAL INFORMATION:
; APPLICANT: MIKESELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LIU, PIN
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7-RELATED NUCLEIC ACIDS AND POLYPEPTIDES USEFUL FOR
; REFERENCE: 3,053,4071US2
; CURRENT FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 60/272,107
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-13

Query Match 19.5%; Score 271; DB 10; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-13

Query Match 19.5%; Score 271; DB 10; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-13

Qy 1 EKEVRANGSDVELSACPGSREFLNDVWVQTSKVVTHIPONSLEND-SR 58
Db 35 EDPVVALVGTATLCCSFSRPGFSLAQMLWQLTDKLV----HSAFGQDQSA 88
Qy 59 YRNRAALMSPAGMLRGRPSRLFLNVPQDEOKFCHLVLQSLSIGFQEVLSVETLVAANFS 118
Db 89 YANRTAALFPDLAQMSAHLRQVRVDAECSFTCVRIFG----SAAVSLQVAAPYS 143
Qy 144 KB--SMTLEPNKDLRPGDTWITCSCSYRGYPEAEVFWQDGQGVPLTGNTTSQ---- 194
Db 169 FLAMRGJYDVSVLRLARTSVNIGCCIEVNLQLNTVGSQTGNDIGERDKTENPVST 228
Db 195 MANEQGLFDVHSVLRVLGANGTYSCLVNRPVLOOD-AHGSVT-----ITQQPWTF 244
Qy 229 GEKNAATWSIIAVLCLVWVVAIGWC 256
Db 245 PPE--ALWVTVGLSVCLIAILVALAFVC 270

RESULT 13
; Sequence 24, Application US/09910174A
; Patent No. US20020106730A1
; GENERAL INFORMATION:
; APPLICANT: Corley, Anthony J.
; APPLICANT: Fraser, Christopher C.
; APPLICANT: Manning, Stephen
; TITLE OF INVENTION: B7 Molecules, No. US20020106730A1 Members of the B7
; FILE REFERENCE: 358001236924
; CURRENT APPLICATION NUMBER: US/09/910,174A
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-910-174A-24

Query Match 19.5%; Score 271; DB 10; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-910-174A-24

Query Match 19.5%; Score 271; DB 10; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 24
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-910-174A-24

Qy 1 EKEVRANGSDVELSACPGSREFLNDVWVQTSKVVTHIPONSLEND-SR 58
Db 35 EDPVVALVGTATLCCSFSRPGFSLAQMLWQLTDKLV----HSAFGQDQSA 88
Qy 59 YRNRAALMSPAGMLRGRPSRLFLNVPQDEOKFCHLVLQSLSIGFQEVLSVETLVAANFS 118
Db 89 YANRTAALFPDLAQMSAHLRQVRVDAECSFTCVRIFG----SAAVSLQVAAPYS 143
Qy 144 KB--SMTLEPNKDLRPGDTWITCSCSYRGYPEAEVFWQDGQGVPLTGNTTSQ---- 194
Db 169 FLAMRGJYDVSVLRLARTSVNIGCCIEVNLQLNTVGSQTGNDIGERDKTENPVST 228
Db 195 MANEQGLFDVHSVLRVLGANGTYSCLVNRPVLOOD-AHGSVT-----ITQQPWTF 244
Qy 229 GEKNAATWSIIAVLCLVWVVAIGWC 256
Db 245 PPE--ALWVTVGLSVCLIAILVALAFVC 270

RESULT 14
; Sequence 11, Application US/09875338
; Patent No. US200201095024A1
; GENERAL INFORMATION:
; APPLICANT: MIKESELL, GLEN E.
; APPLICANT: CHANG, HAN
; APPLICANT: FINGER, JOSHUA N.
; APPLICANT: YANG, GUCHEN
; APPLICANT: LIU, PIN
; APPLICANT: PEACH, ROBERT
; TITLE OF INVENTION: B7 Molecules, No. US20020106730A1 Members of the B7
; FILE REFERENCE: 358001236924
; CURRENT APPLICATION NUMBER: US/09/910,174A
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 09/620,461
; PRIOR FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-11

Query Match 19.5%; Score 271; DB 10; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-11

Query Match 19.5%; Score 271; DB 10; Length 316;
Best Local Similarity 31.3%; Pred. No. 3.8e-16; Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10; SEQ ID NO 13
; LENGTH: 316
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-875-338-11

Qy 1 EKEVRANGSDVELSACPGSREFLNDVWVQTSKVVTHIPONSLEND-SR 58
Db 35 EDPVVALVGTATLCCSFSRPGFSLAQMLWQLTDKLV----HSAFGQDQSA 88
Qy 59 YRNRAALMSPAGMLRGRPSRLFLNVPQDEOKFCHLVLQSLSIGFQEVLSVETLVAANFS 118
Db 89 YANRTAALFPDLAQMSAHLRQVRVDAECSFTCVRIFG----SAAVSLQVAAPYS 143
Qy 144 KB--SMTLEPNKDLRPGDTWITCSCSYRGYPEAEVFWQDGQGVPLTGNTTSQ---- 194
Db 169 FLAMRGJYDVSVLRLARTSVNIGCCIEVNLQLNTVGSQTGNDIGERDKTENPVST 228
Db 195 MANEQGLFDVHSVLRVLGANGTYSCLVNRPVLOOD-AHGSVT-----ITQQPWTF 244
Qy 229 GEKNAATWSIIAVLCLVWVVAIGWC 256
Db 245 PPE--ALWVTVGLSVCLIAILVALAFVC 270

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APPLICANT: ZHOU, XIA-DI
 APPLICANT: PEACH, ROBERT
 TITLE OF INVENTION: IMMUNORELATED NUCLEAR ACIDS AND POLYPEPTIDES USEFUL FOR
 FILE REFERENCE: 3053-4071US2
 CURRENT FILING DATE: 2001-06-06
 PRIOR APPLICATION NUMBER: 60/272,107
 PRIOR FILING DATE: 2001-02-28
 PRIOR APPLICATION NUMBER: 60/209,811
 PRIOR FILING DATE: 2000-06-06
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO: 11
 LENGTH: 316
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-728-420c-13.rapp

Query Match 19.4%; Score 270; DB 10; Length 316;
 Best Local Similarity 31.3%; Pred. No. 4.6-16;
 Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;

Qy 1 EKEVRAMGSDEVLSACPGESRFLNDVYWQTSBSKTVTVYHIPQNSSLENVD--SR 58
 Db 35 EDPPVALVGTDTLHCSPEPGFSLAQNLWQIQLTDTKQV-----HSFTEGRDQGSA 88
 Qy 59 YRNALMSPAGMLRGDFSLRFLNVTQDEQKPHCLVLSQSLGFQEVLSVETLVAANFS 118
 Db 89 YANRТАLFPDLLAQGNASLRQVRVADEGSFTCFVSRDEG-----SAAVSLQVAAPIS 143
 Qy 119 VPVVSAPHSPSQ-----DELTFTCTSINGYPRPYWW-----INKTDNSLIDQALQNDTV 168
 Db 144 K8-----SMTLEPNKDLRPLRPTDVITCSSYRGYBAEVIEWDGGVPPLTGNTVTSQ----- 194
 Qy 169 FLNMRGLYDVSYSLRILARTPSVNGCCENVLLQQLTVGSQTNIDIGERDKITENPVST 228
 Db 195 MANEOGLFDVSVLRLVYVNLGNTYCSLVRNPVLQOD-AHGSVT-----IRGQPMTP 244
 Qy 229 GEKNAATWSILAVLCLLUVVAVAAIGWC 256
 Db 245 PPE-----ALWVTVGLSVCLIAVLAFAVC 270

RESULT 15

US-09-789-561-156
 Sequence 156, Application US/09789561

; GENERAL INFORMATION:

; APPLICANT: Ni et al.
 ; TITLE OF INVENTION: 52 Human secreted proteins
 ; FILE REFERENCE: P043P1
 ; CURRENT FILING DATE: 2001-02-22
 ; PRIOR APPLICATION NUMBER: US/09/789,561
 ; PRIOR FILING DATE: 2000-08-31
 ; PRIOR APPLICATION NUMBER: 60/1152,317
 ; PRIOR FILING DATE: 1999-09-03
 ; PRIOR APPLICATION NUMBER: 60/1152,315
 ; PRIOR FILING DATE: 1999-09-03
 ; NUMBER OF SEQ ID NOS: 194
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 156
 ; LENGTH: 387
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-789-561-156

Query Match 19.4%; Score 270; DB 10; Length 387;
 Best Local Similarity 31.3%; Pred. No. 6e-16;
 Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;

Qy 1 EKEVRAMGSDEVLSACPGESRFLNDVYWQTSBSKTVTVYHIPQNSSLENVD--SR 58

Query Match 19.4%; Score 270; DB 10; Length 316;
 Best Local Similarity 31.3%; Pred. No. 4.6-16;
 Matches 84; Conservative 39; Mismatches 101; Indels 44; Gaps 10;
 ;
 Qy 59 YRNALMSPAGMLRGDFSLRFLNVTQDEQKPHCLVLSQSLGFQEVLSVETLVAANFS 118
 Db 160 YANRТАLFPDLLAQGNASLRQVRVADEGSFTCFVSRDEG-----SAAVSLQVAAPIS 214
 Qy 119 VPVVSAPHSPSQ-----DELTFTCTSINGYPRPYWW-----INKTDNSLIDQALQNDTV 168
 Db 215 K8-----SMTLEPNKDLRPLRPTDVITCSSYRGYBAEVIEWDGGVPPLTGNTVTSQ----- 265
 Qy 169 FLNMRGLYDVSYSLRILARTPSVNGCCENVLLQQLTVGSQTNIDIGERDKITENPVST 228
 Db 266 MANEOGLFDVSVLRLVYVNLGNTYCSLVRNPVLQOD-AHGSVT-----IRGQPMTP 315
 Qy 229 GEKNAATWSILAVLCLLUVVAVAAIGWC 256
 Db 316 PPE-----ALWVTVGLSVCLIAVLAFAVC 341

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